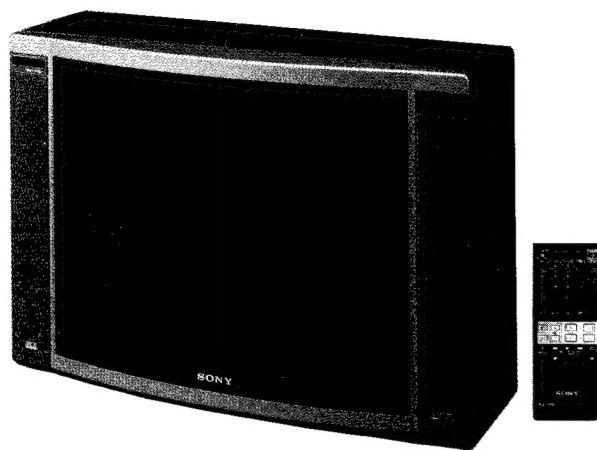


KV-25XSD/25XSTD

RM-673

SERVICE MANUAL



AEP Model
 KV-25XSD:
 Chassis No. SCC-B14B-A
 KV-25XSTD:
 Chassis No. SCC-B14A-A

AE-1

CHASSIS

Note: The service manuals for RM-673 have been issued separately.

MODELS OF THE SAME SERIES

KV-25XSD/25XSTD	

SPECIFICATIONS

Television system	CCIR B, G and H
Color system	PAL SECAM
Stereo system	German two-carrier system
Channel coverage	VHF channels E2-S20 UHF channels E21-E69
Picture tube	Trinitron tube 110-degree deflection Approx. 63.5 cm (25 inches) (Approx. 59 cm picture measured diagonally)
Audio output	10W + 10W (music power)
Inputs	21-pin EURO-AV connector, CENELEC Standard
Outputs	Headphones jack: stereo minijack External speaker terminals: 2-pin DIN
Power consumption	92 Wh: KV-25XSD 96 Wh: KV-25XSTD
Dimensions	Approx. 720 x 506 x 468 mm (w/h/d)
Weight	Approx. 37 kg
Supplied accessories	RM-673 Remote Commander (1) IEC designation R6 batteries (2)

Design and specifications are subject change without notice.



TRINITRON® COLOR TV


SONY®



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SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.



SECTION 1 GENERAL

1-1. FIRST OF ALL

- 1** Connect the ANTENNA to the  socket on the rear of the set.
This socket receives the standard 75-ohm aerial plug.
- 2** Plug in the set.
- 3** Tune in the available channels.

Use the buttons inside the front panel. To open the panel, press the centre.

To tune in all channels automatically:




- 1 Press  (PRESET)
- 2 Press PROGR to select the program position from which tuning is to start.
- 3 Press  (AUTO PROGRAMING)

The channels will be tuned in and memorized in consecutive positions, beginning from the program position selected in step 2.



When tuning has been completed, the set returns to the position where tuning began.

To tune in a channel in any desired program position.

(e.g. the position with the same number as the channel):

- 1 Press  (PRESET)
- 2 Press PROGR to select the desired program position.
- 3 Press C (CLEAR)
- 4 Press  (SEARCH) repeatedly until the desired channel appears.
- 5 Repeat steps 2 to 4 for all channels, if required.
- 6 Press  (PRESET) again.

To have the unused program positions skipped when PROGR+ or PROGR- is pressed:

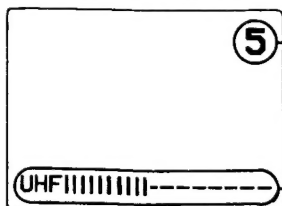
- 1 Press  (PRESET)
- 2 Press PROGR to select the unused position.
- 3 Press C (CLEAR)
- 4 Repeat steps 2 and 3 for all unused positions.
- 5 Press  (PRESET) again.

Note

If the set is to be used in an area with poor reception preset the program numbers between 1 and 19 for TV program use.

When watching a video with the VTR connected to the connector, set the channel for the video to program n° 0 or any empty channel between 20 and 29.

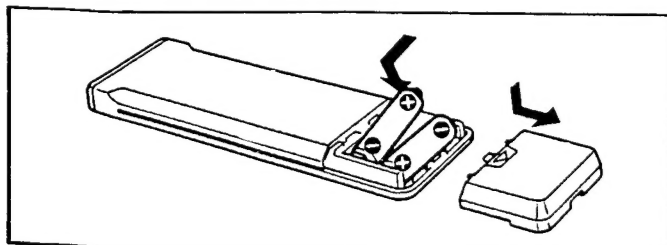
On-screen display while tuning



Program position

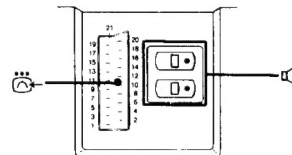
Indicates the approximate location in the band of the channel being tuned in.
The number of upright segments increase for a higher-frequency channel and decrease for a lower-frequency channel.


- 4** Inset two R6 batteries checking the correct polarity.



1-2. CONNECTING OTHER EQUIPMENT

Connectors on rear of set



L/G/S	Left external speaker terminal (2-pin DIN)	Connect to external speakers. The TV speakers will be disconnected. Speaker 8-16Ω
R/D/D	Right external speaker terminal (2-pin DIN)	
	21-pin connector (CENELEC standard)	Connect to a VTR (micro computer, etc.) using an optional connection cord. The picture of the TV channel being received is always output.

VTR operation using the supplied Commander

To control a Sony 8mm VTR

Remote operation of the VTR is limited to the features and functions of the VTR. For further details refer to the VTR manual.

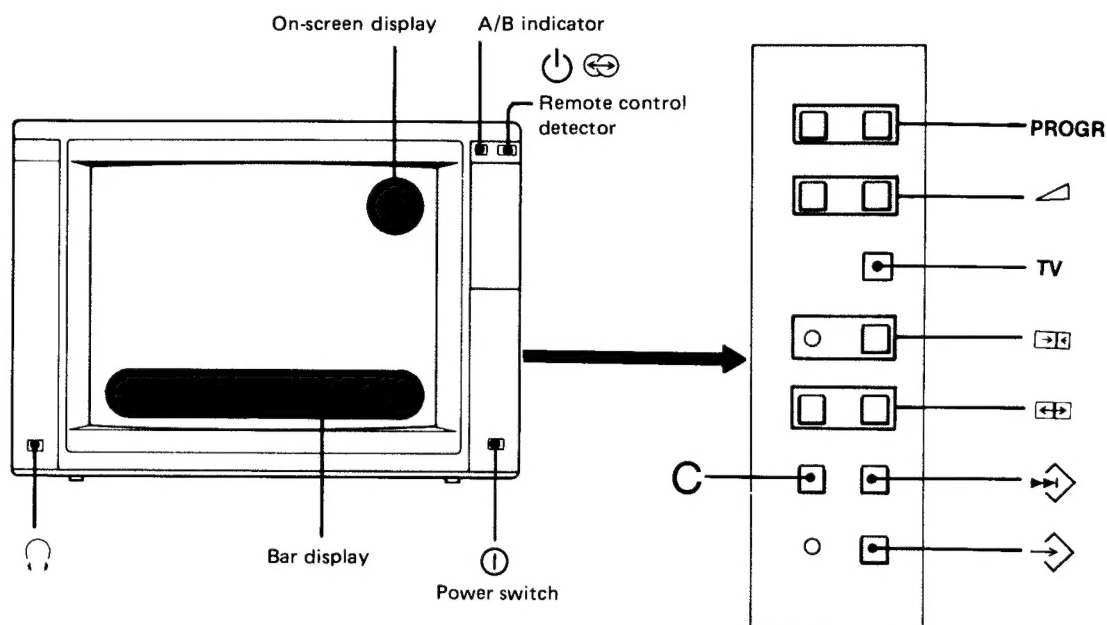
Note

Move the VTR away from the TV, if the picture or sound is distorted.

Pin No.	Signal	Signal level
1	Audio output B (right)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm*
2	Audio input B (right)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms*
3	Audio output A (left)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm*
4	Ground (audio)	
5	Ground (blue)	
6	Audio input A (left)	Standard level: 0.5 Vrms input impedance: More than 10 k ohms*
7	Blue input	0.7 V ±2 dB, 75 ohms, positive
8	Function select (AV control)	High state (9.5-12V): Part mode Low state (0-2 V): TV mode Input impedance: More than 10 k ohms Input capacitance: Less than 2 nF
9	Ground (green)	
10	Open	
11	Green/Green with sync input	Green signal: 0.7 V ±2 dB, 75 ohms, positive Green with sync signal: 1 V ±2 dB, 75 ohms, positive
12	Open	
13	Ground (red)	
14	Ground (blanking)	
15	Red input	(Same as Pin 7)
16	Blanking input (Ys signal)	High state (1-3 V) Low state (0-0.4 V) Input impedance: 75 ohms
17	Ground (video output)	
18	Ground (video input)	
19	Video output	1 V ±2 dB, 75 ohms, positive Sync: 0.3 V (-3, ±10 dB)
20	Video input	1 V ±2 dB, 75 ohms, positive Sync: 0.3 V (-3, ±10 dB)
21	Common ground (plug, shield)	

* at 20 Hz-20 kHz

1-3. FUNCTION OF CONTROLS



On the set

On-screen display

Indicates program numbers and input mode.

Bar display

Indicates the level of volume, color, brightness, contrast, bass, treble and balance.

• Note on function.

When the volume is at the minimum setting the balance function will not operate.

power switch

To cut off the mains power completely, press this switch.

Note

To ensure correct operation, push the switch in fully.

standby indicator

Lights up brightly when the set is in the standby mode.

Note

If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

space sound indicator

Lights up when on the Remote Commander is pressed.

A/B indicator

One of them lights during bilingual broadcast. (Choose A or B with the Remote Commander.)

Both light during stereo broadcast. In AV mode, A lights for left channel, B for right channel, or A and B for both channels.

Remote control detector

Point the Remote Commander towards this detector.

Note

- To ensure correct operation push the switch in fully.

Inside the panel

headphones jack (stereo minijack)

search buttons

Press to fine tune a weak channel manually, if required.

When (SEARCH) is pressed, the indicator goes off and the (AFT) circuit does not function on the selected channel.

To restore the (AFT) circuit on this channel, press (AFT) so that the indicator lights up.

AFT button and indicator

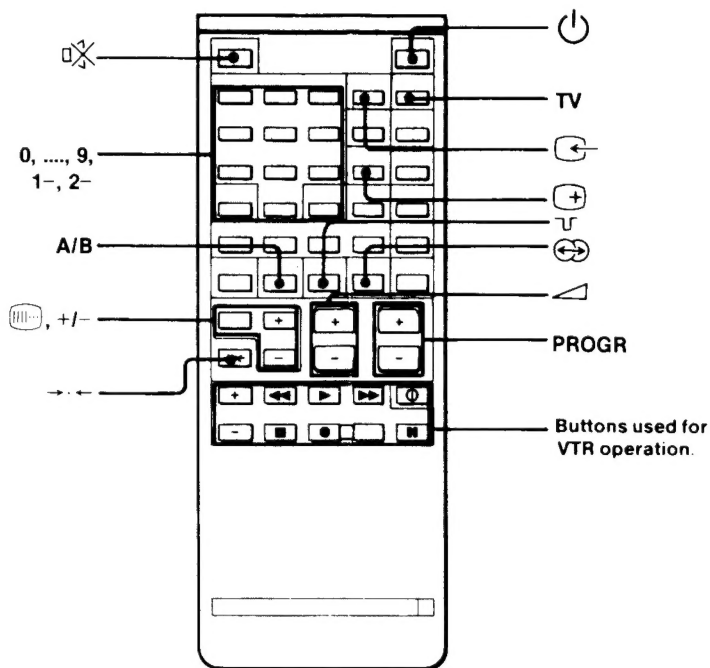
Normally, press (AFT) so that the indicator lights up. The AFT circuit automatically fine tunes the channels for the best possible picture.

volume buttons

PROGR program scan buttons

TV button

- The TV button will not function on this set.



On the Remote Commander

To operate the Commander, point it toward the remote control detector.

mute button

0, ..., 9, 1-, 2- buttons

To tune in to:
program 15, press 1- and 5
program 25, press 2- and 5

A/B button

Press to select the language in a bilingual broadcast, or to select the channel in AV mode.

, +/- analog select buttons

Press first, then press .

(contrast) will appear on the screen. Adjust by pressing + or -. Press again and adjust (color), (brightness), (bass), (treble) and (balance).

reset button

Press to reset color, brightness, bass, treble, balance and contrast to factory-set levels.

standby button

Press to change to the standby mode. Use this button to turn off the set for short periods of time.

To turn on the set, press TV or the program number, there will be a slight delay before the picture is restored.

TV button

Press to change to the TV mode from the standby, input or teletext modes.

input button

Press to view the input picture coming in through the connector.

" " lights up on the screen.

Press TV or the program number to return to the TV mode.

loudness button

Press to emphasize high and low notes.

on-screen display button.

Press to make the display appear on the screen.

Press again to make it disappear.

space sound button

Press to obtain special acoustic effects.

PROGR program scan buttons

volume buttons

1-4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander.
The buttons used for teletext operation are indicated in green.

Operation

- 1 Select the TV channel for the desired teletext service.
- 2 Press / (TEXT/MIX) to display the teletext service. Once / (TEXT/MIX) has been pressed, the TV channel cannot be changed.
- 3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three-digit sequence by keying in any digit. Then, re-enter the correct page number.
The requested teletext page is displayed.

To return to the TV mode, press TV.

The teletext service can be displayed directly from the standby mode, by pressing / (TEXT/MIX)

To receive the teletext service of a different TV channel

- 1 Press TV to return to the TV mode.
- 2 Select the desired TV channel.
- 3 Press / (TEXT/MIX)

Note

To receive the teletext service accurately, keep AFT inside the panel switched on during teletext operation.

To display the index page

Press (INDEX.)

If the necessary signal is not being broadcast, page 100 is displayed.

To access the next or preceding page

Press (PAGE +) or (PAGE -).

If, for example, page 160 is selected this page is displayed and pages 159, 161 and 162 are stored and may be called up immediately by means of the , keys.

To superimpose the teletext display on the TV picture

Press / (TEXT/MIX) twice from TV mode.
Press again to return to the TEXT display.

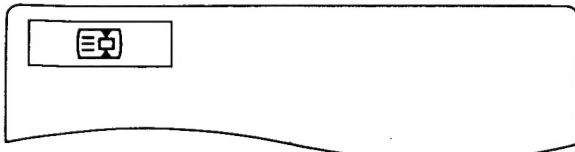
To suppress the teletext display so that the TV picture is displayed

Press (TEXT CL.)

This button can be operated from both the TEXT and MIX displays.

To prevent a teletext page (subpage) from being updated/changed

Press (HOLD) appears at the top of the screen.



To resume normal teletext reception, press TEXT/MIX.

To enlarge the teletext display

Press (ENLARGE)

Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display; press again to return to the normal display.

To reveal concealed information such as the answers to a quiz

Press REVEAL

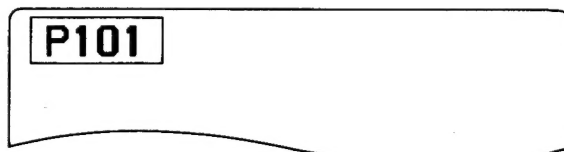
Press again to conceal the answers.

To adjust the contrast of the teletext display

Press until appears on the screen and adjust by pressing + or -.

To watch the TV program while waiting for a requested page to be displayed.

- 1 Request new page.
- 2 Press (TEXT CL.) to watch the TV program.
When the requested page has been captured, the page number will appear on the top left hand corner of the screen.



To view this page, press / (TEXT/MIX)

To have a requested page displayed at a predetermined time

- 1 Request a time coded page (e.g. alarm page).
- 2 Press (TP ON.)
"T****" will appear at the bottom of the screen.



- 3 Enter your request time with the number buttons, using four digits. For example, 07:30.



To watch the TV program until the requested time, press (TEXT CL.) At the requested time, the page number will appear on the top left hand corner of the screen.


To view this page, press / (TEXT/MIX.)

To cancel the request, first ensure that the teletext page is displayed, then press (TP OFF.)









1-5. SIMPLE CHECK LIST

Disturbances in picture and sound can often be eliminated by checking the symptoms and following the suggestions listed below.



No picture (screen not lit), no sound

- Plug the set into a working outlet.
- Press  on the TV or if the indicator is on, press TV or the Program number on the Remote Commander
- Check the aerial.






Poor or no picture (screen not lit) but good sound

- Press the  button on the remote commander. Adjust  and  with the  + button.
- Press    .

Good picture but no sound

- Press .
- Disconnect the earphone.
- If "RX" is displayed on the screen, press .

No color for color programs

- Press the  button on the remote commander. Adjust  with the  + button  with the  + button.

Snow and noise

- Fine tune the channel manually.
- Check aerial connections.

Dotted lines or stripes

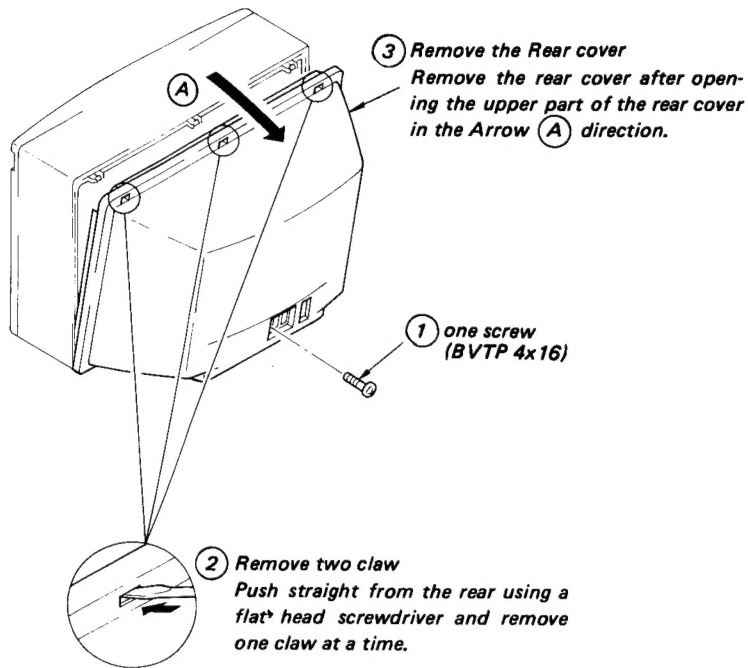
This may be caused by local interference (e.g. cars, neon signs, hairdryers, etc.). Adjust the antenna for minimum interference.

Double images or "ghosts"

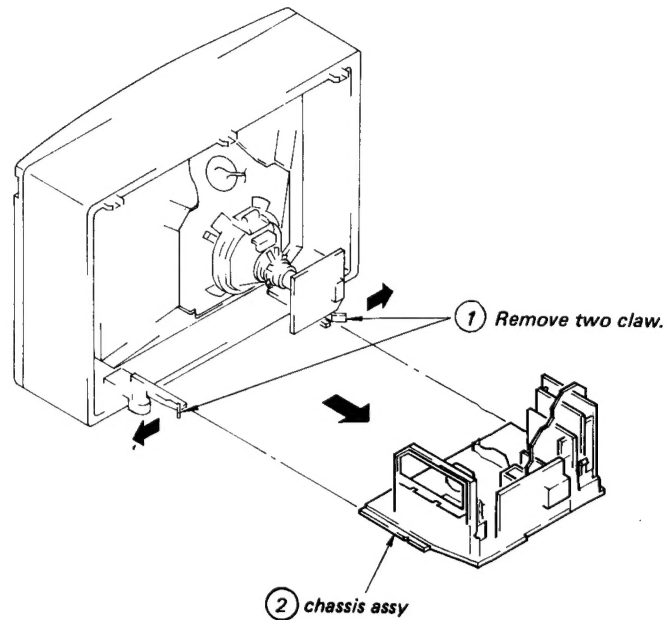
This may be caused by reflections from nearby mountains or buildings. A highly directional outdoor aerial may improve the picture.

SECTION 2 DISASSEMBLY

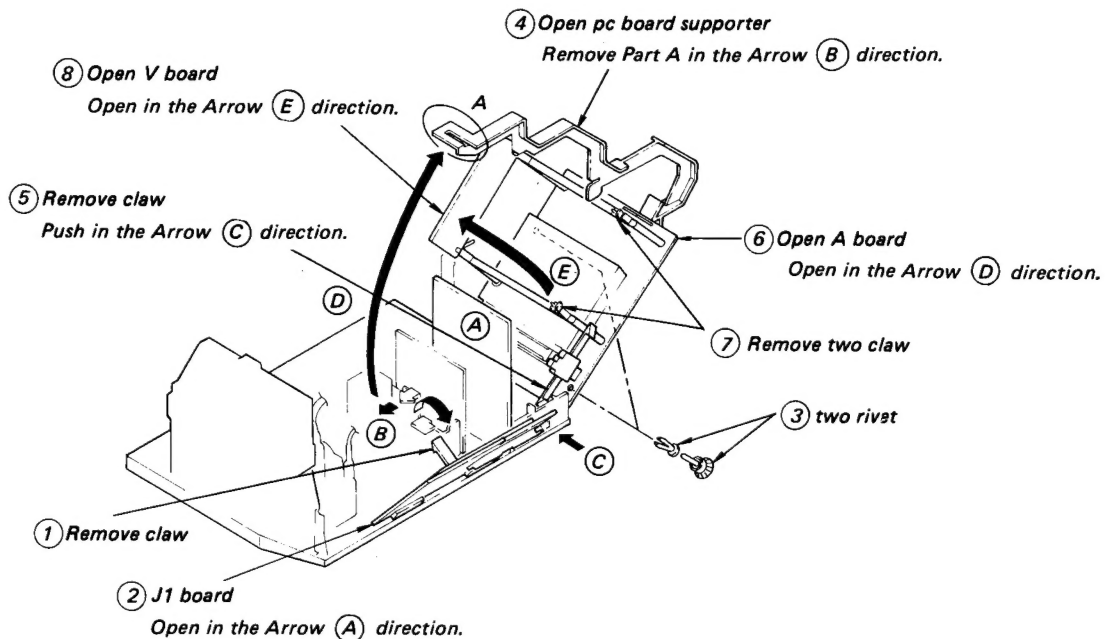
2-1. REAR COVER REMOVAL



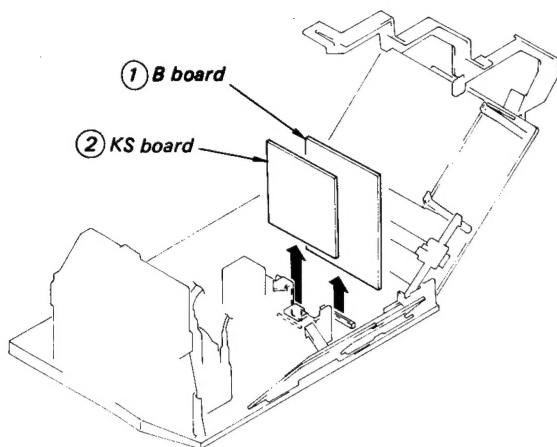
2-2. CHASSIS ASSY REMOVAL



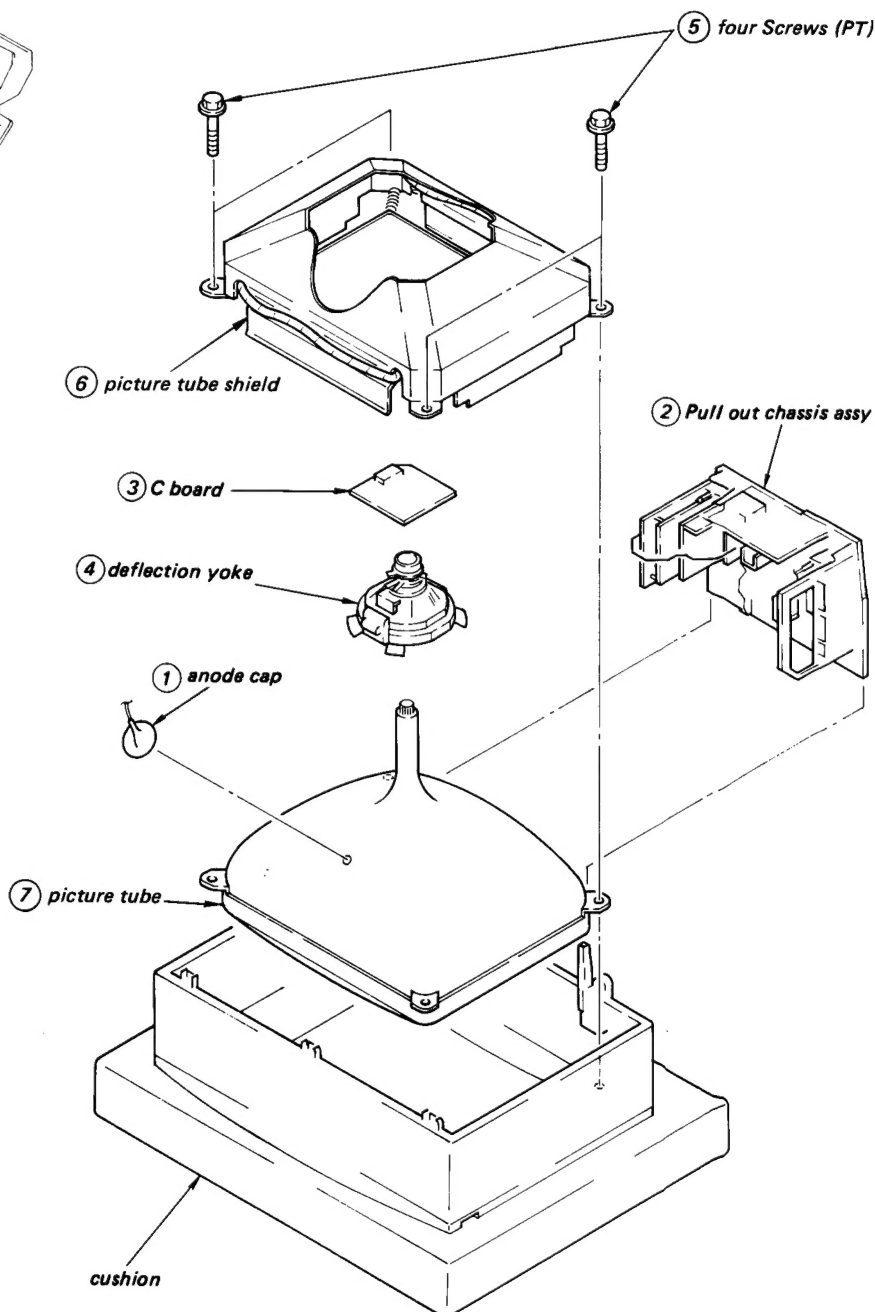
2-3. J1, A, V BOARD (V BOARD KV-25XSTD ONLY)



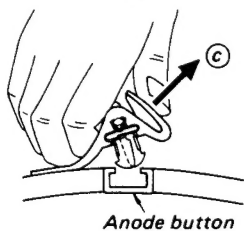
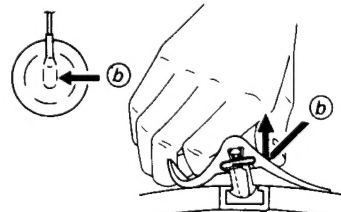
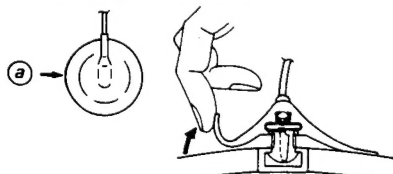
2.4. KS AND B BOARDS REMOVAL



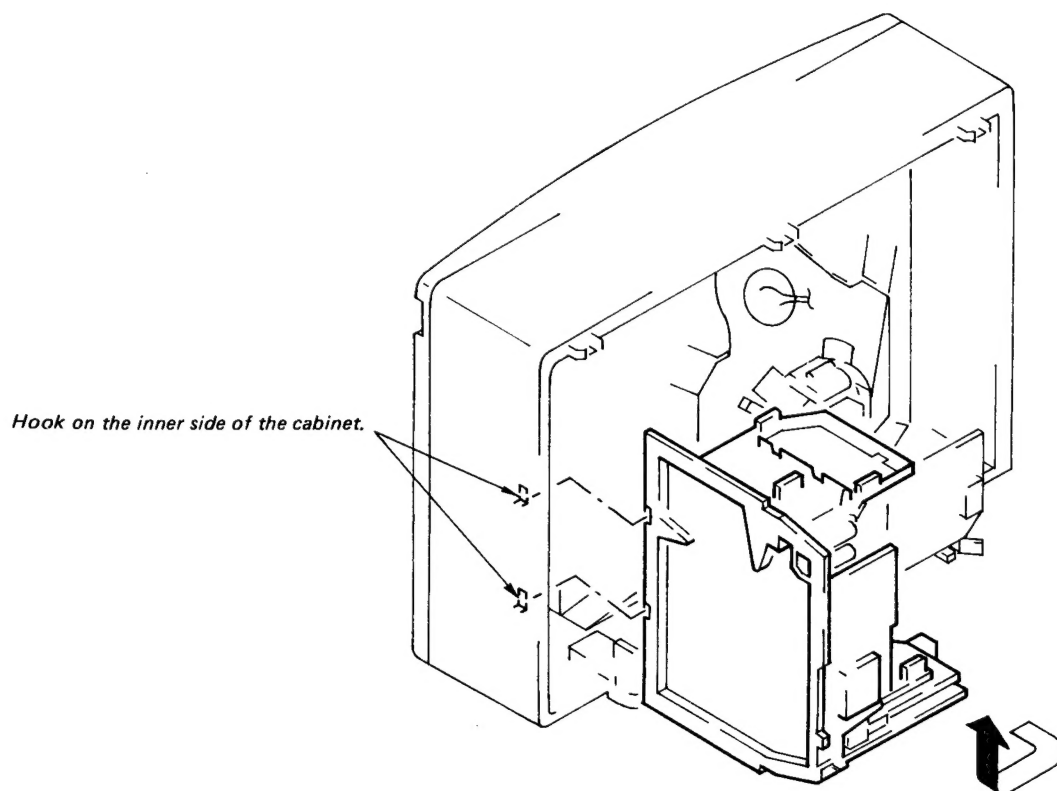
2.5. PICTURE TUBE REMOVAL



• Removing Procedures



2-6. SERVICE POSITION



SECTION 3 SETUP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

- CONTRAST control80% (or Normal by Commander)
- ☼ BRIGHTNESS control50%

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note: Test Equipment Required.

1. Color Bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
 CONTRAST } normal
 BRIGHTNESS }
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly.
 (Fig. 3-1~3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red.
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-4)

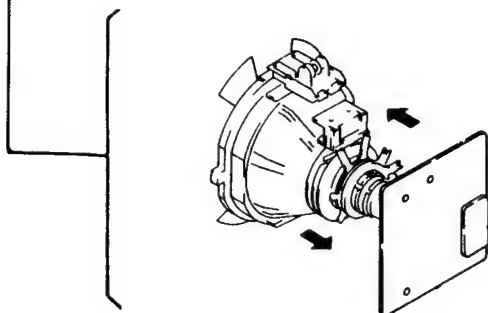


Fig. 3-1

purity control

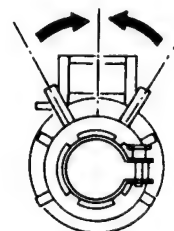


Fig. 3-2

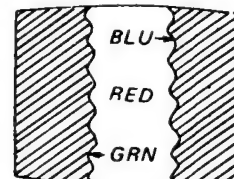


Fig. 3-3

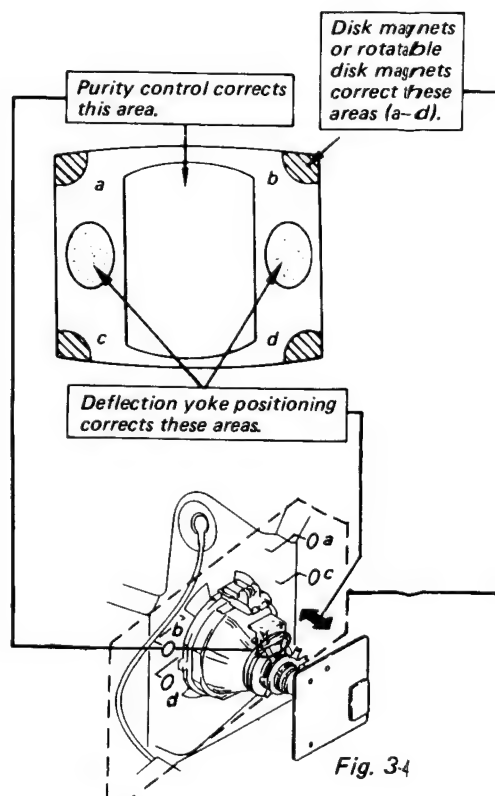


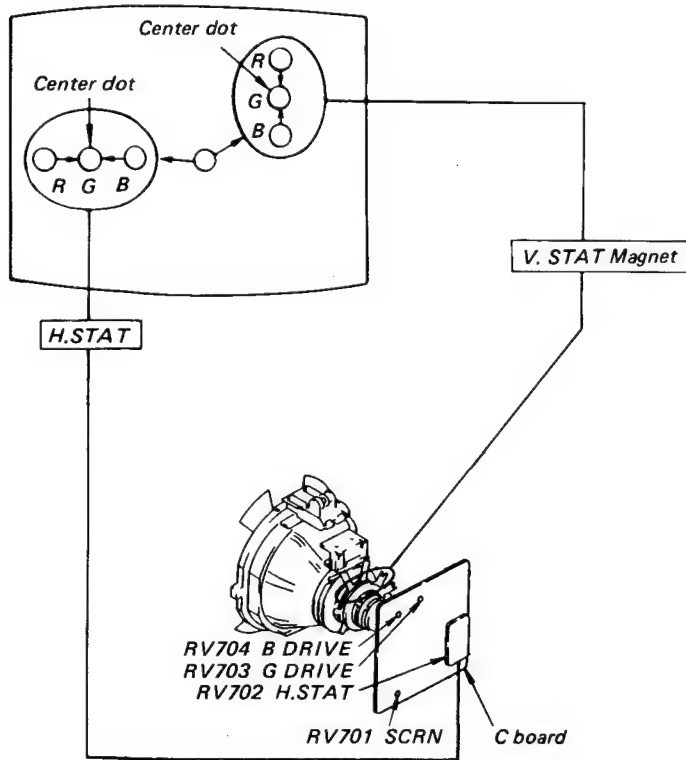
Fig. 3-4

3-2. CONVERGENCE

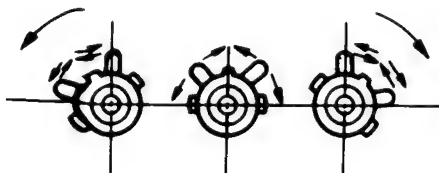
Preparation:

- Before starting, perform FOCUS, H. SIZE, V. SIZE and V. LIN adjustments.
- Set BRIGHTNESS control to fully minimum.
- Feed in the dot pattern.

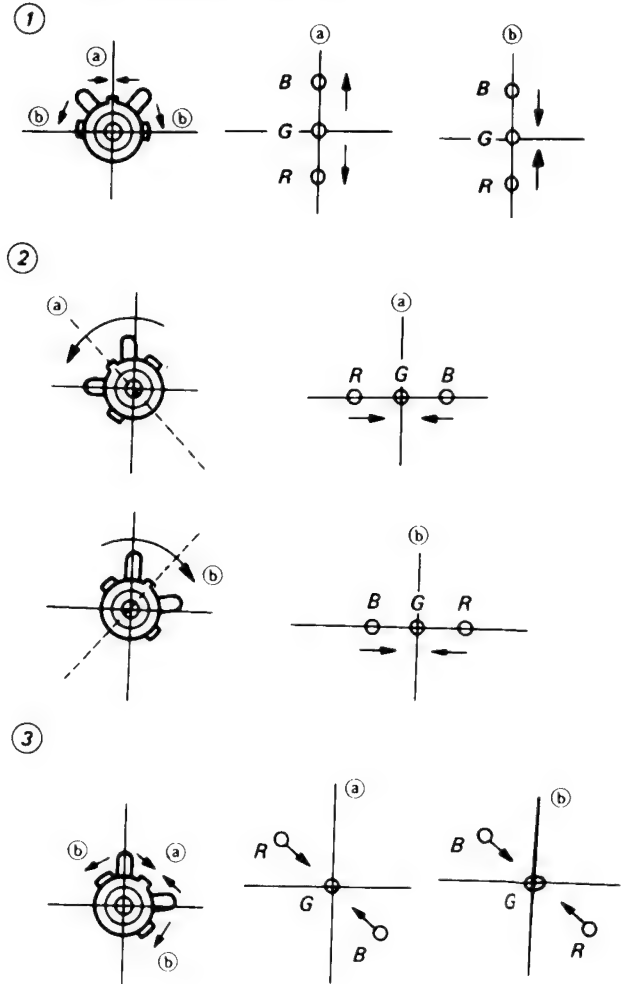
(1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen (Horizontal movement)
 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen (Vertical movement)
 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), Red, Green and Blue dots move as shown below.

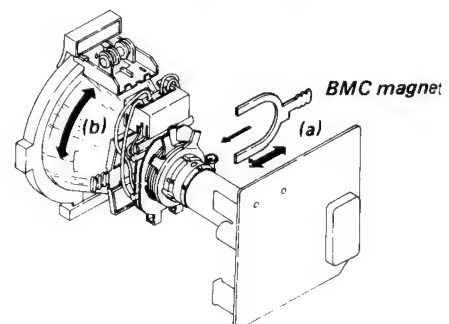


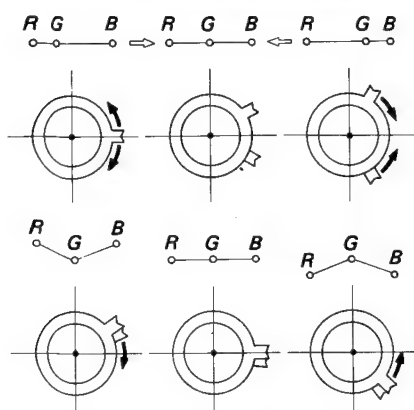
If the red and blue dots do not coincide with green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

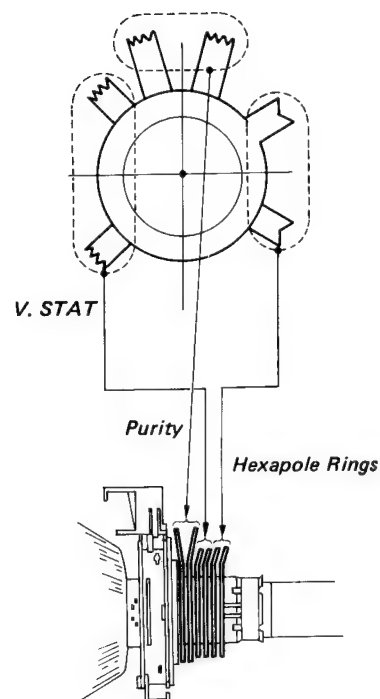
In either case, repeat Beam Landing Adjustment.



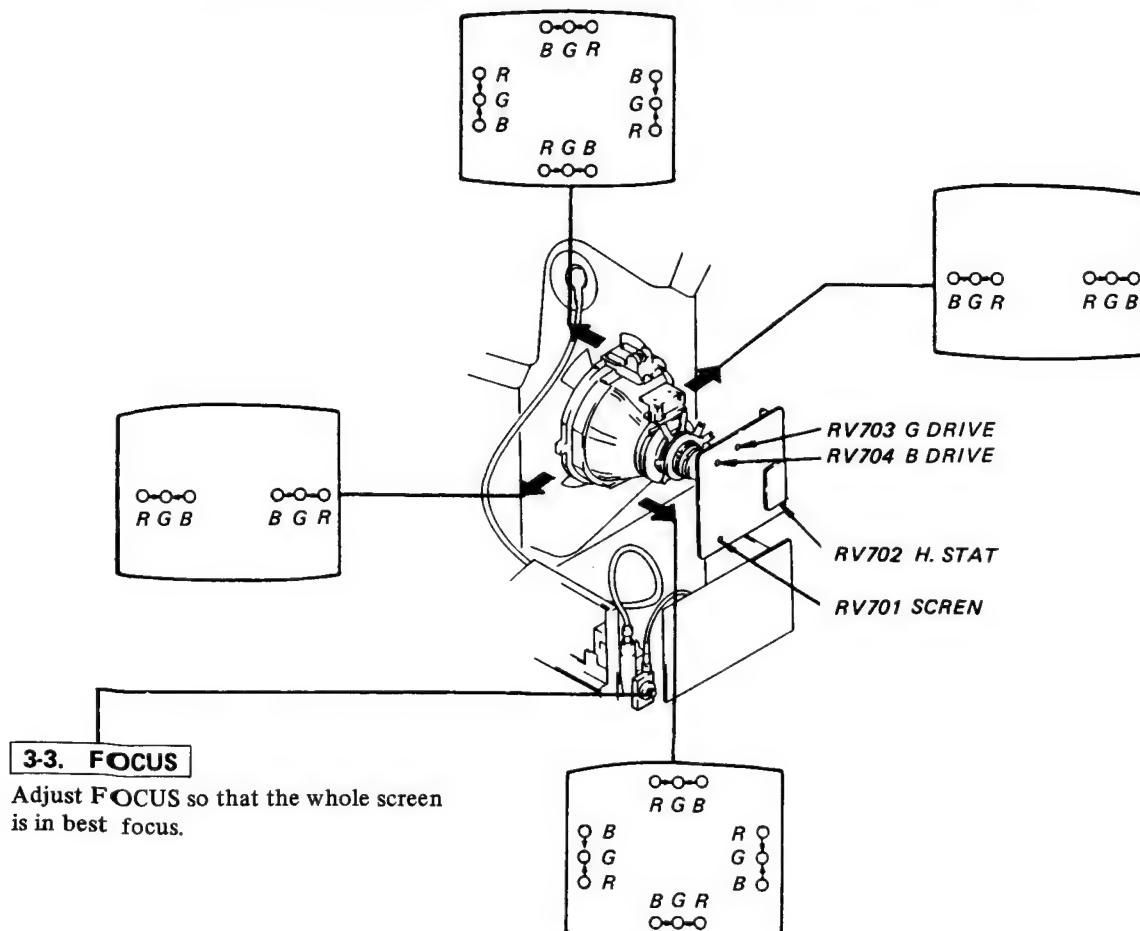
(2) Operation of Hexapole Ringed Magnet

The respective dot operations resulting from the operation of each magnet are not completely independent, so be sure to perform adjustment while tracking.

Use the H. STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

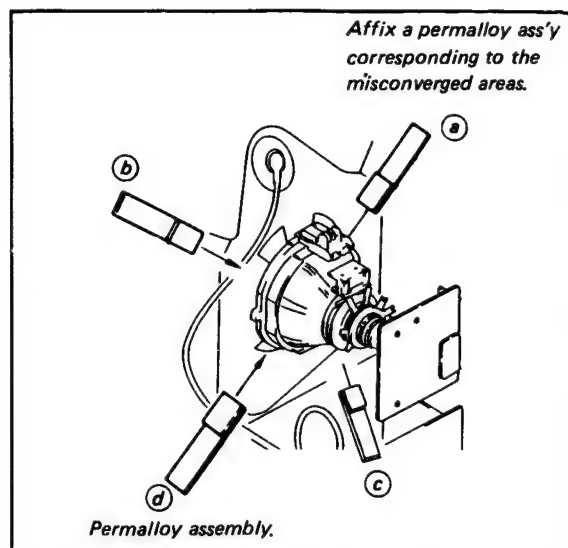
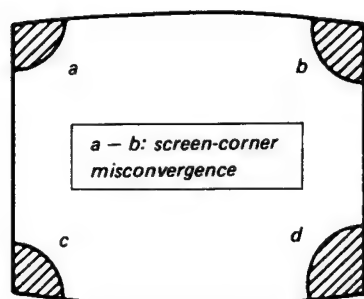
**(3) Dynamic Convergence Adjustment****Preparation:**

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
1. Loosen deflection yoke screw.
 2. Remove deflection yoke spacers.
 3. Move the deflection yoke for best convergence as shown below.
 4. Tighten the deflection yoke screw.
 5. Install the deflection yoke spacers.

**3-3. FOCUS**

Adjust **FOCUS** so that the whole screen is in best focus.

(4) Screen-corner Convergence



3-4. WHITE BALANCE

[Scree (G2) Setting]

1. Receive a dot signal from the pattern generator.
2. Set the picture brightness control to the minimum level.
3. Apply 170V_{DC} to the cathodes of R, G, and B from an external power source.
4. Adjust the G2 volume knob (RV701) immediately before the fly-back line disappears while watching the picture.

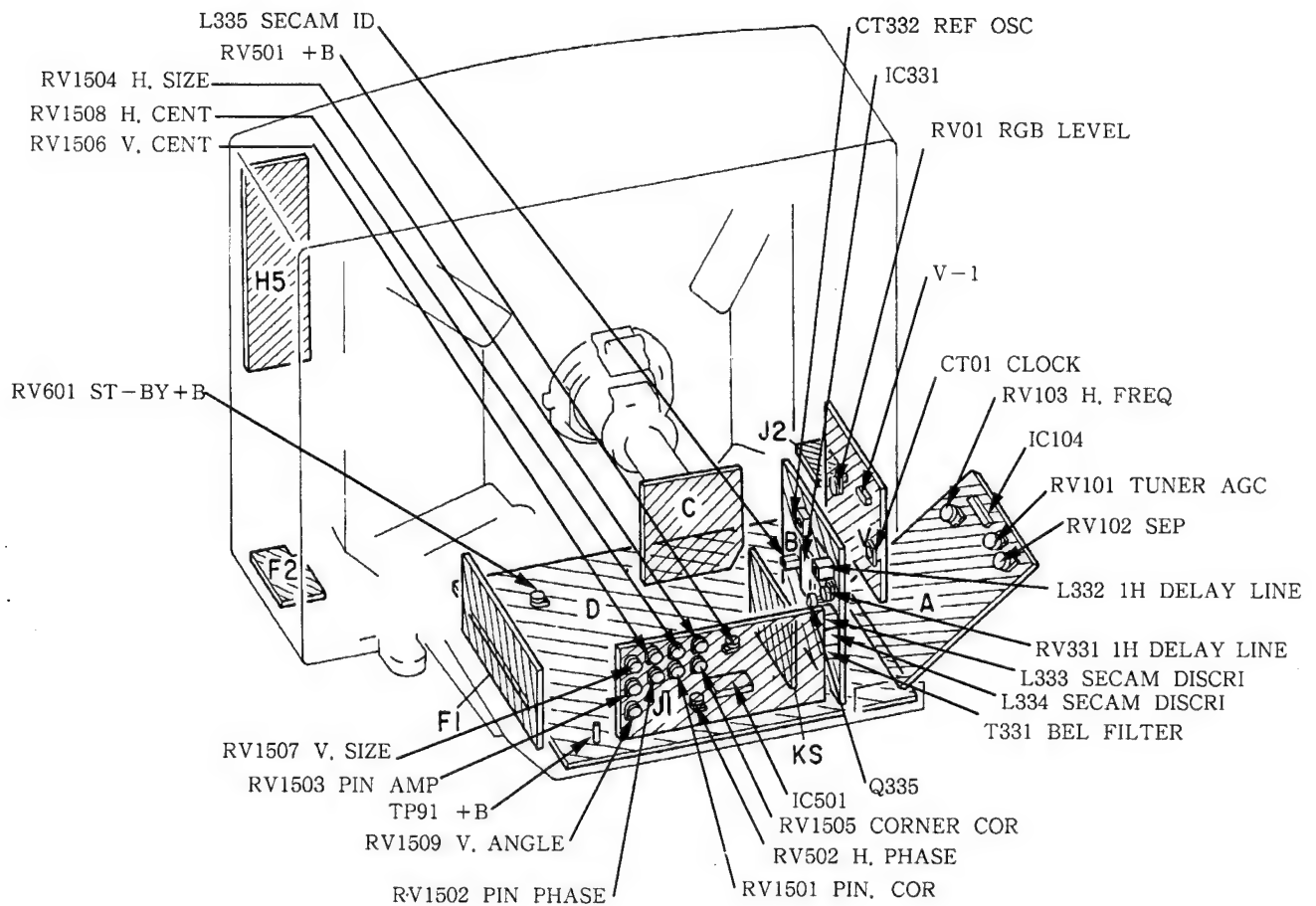
[White Balance Adjustment]

1. Receive an all-white signal from the pattern generator.
2. Adjust the picture brightness and color control to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In following adjustment the condition of CONTRAST COLOR and BRIGHTNESS are normal unless otherwise specified.

SECTION 4

CIRCUIT ADJUSTMENTS



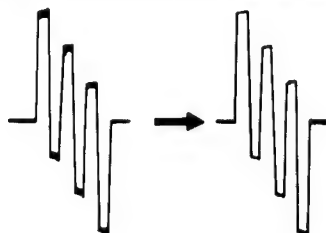
4-1. B BOARD ADJUSTMENTS

REF OSC Adjustment (CT332)

1. Input PAL COLOR BAR signal.
2. Short circuit between pin (17) of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove a jumper wire from IC331.

1H DELAY LINE Adjustment (L332, RV331)

1. Input a PAL COLOR BAR.
2. Connect the oscilloscope to Pin (3) (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.

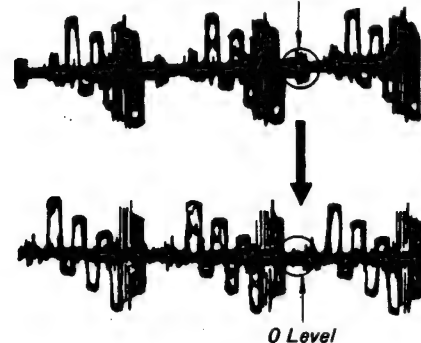


Before Adjustment After Adjustment

4. Input a TEST COLOR BAR.

5. Rotate the RV331 control and adjust till the ANT PAL of the waveform part matches the 0 level.

This part matches the 0 level.



0 Level

6. L332 and RV331 affect each other. Repeat till the conditions of both meet.

SECAM ID Adjustment (L335)

1. Input SECAM COLOR BAR signal.
2. Connect a Digital Multi-meter at pin (21) of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

BELL FILTER Adjustment (T331)

1. Input SECAM COLOR BAR signal.
2. Connect an oscilloscope to the emitter of Q335.
3. Adjust T331 so that the waveform becomes flat. (fig. 1)

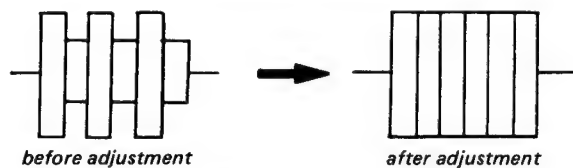
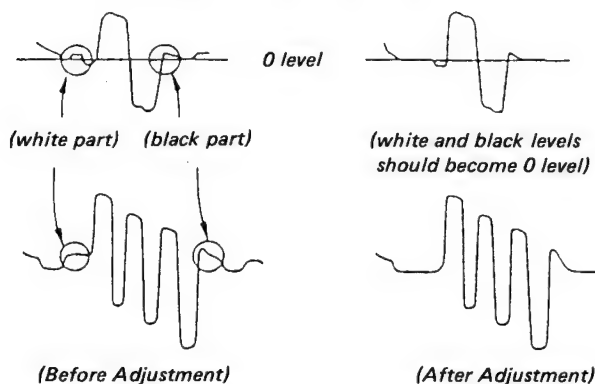


fig. 1

SECAM DISCRI Adjustment (L333, L334)

1. Input SECAM COLOR BAR signal.
2. Connect an oscilloscope at pin ① of IC331.
3. Adjust L333 so that white and black part of the waveform of pin ① becomes 0 level. (fig 1)
4. Connect an oscilloscope at pin ③ of IC331.
5. Adjust L334 so that white and black part of the waveform of pin ③ becomes 0 level. (fig 2)



4-2. D BOARD ADJUSTMENTS

+B Adjustment (RV501)

1. Connect a digital multimeter to TP91.
2. Adjust RV501 so that the voltage becomes $135 \pm 0.2V$.

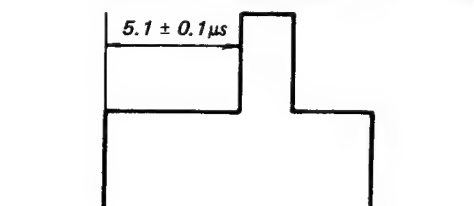
*Adjust within 30 sec to 60 sec after the power is turned on.

ST-BY +B Adjustment (RV601)

1. Set up (⏻) standby (Remote Commander) mode.
2. Connect the digital multimeter to TP91.
3. Adjust RV601 so that the voltage becomes $135 \pm 3V$.
4. Release the (⏻) standby (Remote Commander) mode.

H PHASE Adjustment (RV502)

1. Input the PAL TEST COLOR BAR signal.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H CENT) to the mechanical centre position.
4. Connect an oscilloscope to Pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block to $5.1 \pm 0.1\mu s$.



4-3. A BOARD ADJUSTMENT

H. FREQ. Adjustment (RV103)

1. Input PAL COLOR.
2. Short circuit between pin ⑫ of IC104 and ground.
3. Connect a frequency counter to the pin ⑥ of IC104 through a probe of 10:1.
4. Adjust RV103 so that H. frequency becomes $15,625 \pm 50Hz$.

TUNER AGC Adjustment (RV101)

1. Tune in an off-air signal.
2. Adjust RV101 so that snow-noise and cross-modulation just disappear from the picture.

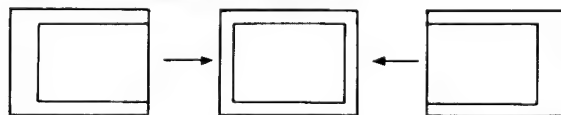
STEREO SEPARATION Adjustment (RV102)

1. Receive a stereo signal (L-CH 1kHz, R-CH 400Hz)
2. Confirm the stereo indicator.
3. Connect an oscilloscope to the pin ① (L) of CNA11 through band pass filter of 1kHz.
4. Adjust RV102 so that 1kHz voltage goes down to the minimum.

4-4. J₁ BOARD ADJUSTMENTS

RV1508

H.CENT (HORIZONTAL CENTER)



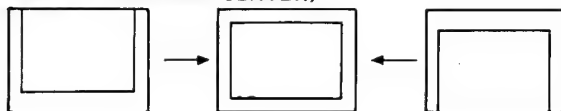
RV1504

H.SIZE (HORIZONTAL SIZE)



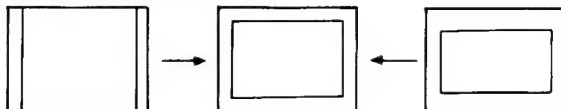
RV1506

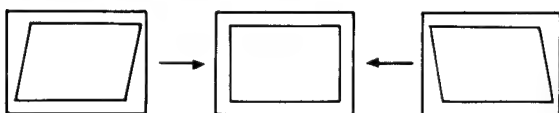
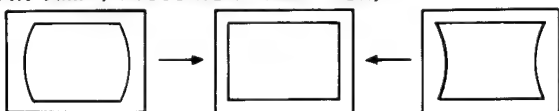
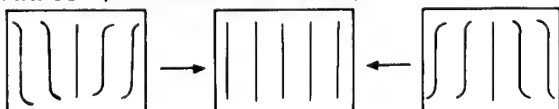
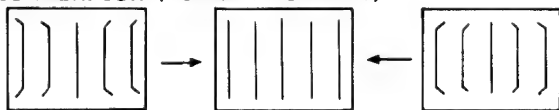
V.CENT (VERTICAL CENTER)



RV1507

V.SIZE (VERTICAL SIZE)



**RV1509
V.ANGLE (VERTICAL ANGLE)****RV1503
PIN AMP (PINCUSHION AMPLIFIER)****RV1502
PIN PHASE (PINCUSHION PHASE)****RV1501
PIN. COR (PINCUSHION CORRECT)****RV1505
CORNER. COR (CORNER CORRECT)****4.5. V BOARD ADJUSTMENTS (KV-25XSTD ONLY)****Clock Adjustment (CT01)**

1. Disconnect the V-1 connector.
2. Set up the TELETEXT mode.
3. Adjust CT01 to stop picture from scrolling.

RGB Level Adjustment (RV01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes 0.65 V.

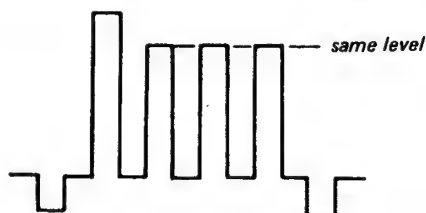
4.6 SUB ADJUSTMENTS**SUB BRIGHTNESS Adjustment**

1. Receive and display a TEST COLOR BAR pattern.
2. Push →← with the remote controller to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Reduce the CONTRAST to the minimum level.
6. Adjust the BRIGHTNESS control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.

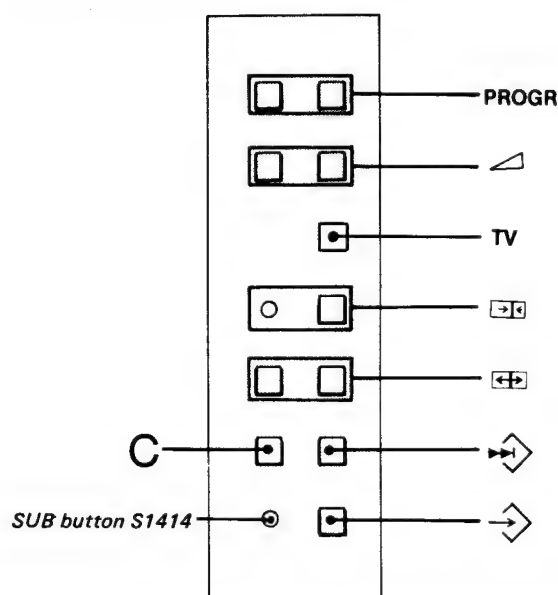
7. Push the AFT button (SUB mode is cleared).
Where no TEST COLOR BAR pattern is available.
1. Display a COLOR BAR pattern.
2. Push →← with the remote commander to invoke the normal state.
Set the COLOR to BLACK/WHITE, the mode, 3 ~ 5 are the same as above.
6. Adjust the BRIGHTNESS control until 20 IRE, which is close to blue, until blue lights faintly.
7. Same as above.
8. Push →← with the remote commander to invoke the normal state.
- * When "4" is executed correctly, S (SUB mode) is displayed on the upper right corner of the display. As S is displayed only for 30 seconds, adjust within 30 seconds, or repeat from 4 again.

SUB COLOR Adjustment

1. Display a COLOR BAR pattern.
2. Push →← with the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked).
5. Adjust the COLOR control until the B out (Pin ②) of CNC72 connector on C board) waveform becomes as shown below.
6. Push the AFT button. (SUB mode is cleared.)

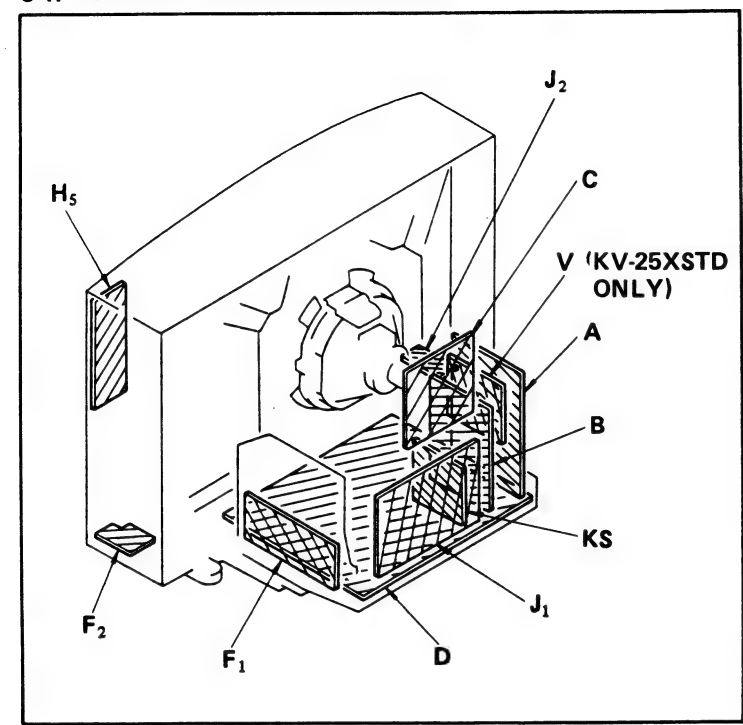


- * When "4" is executed correctly, S (SUB mode) is displayed at the upper right corner of the display. As S (SUB mode) is displayed only for 30 seconds, adjust quickly, or restart from 4 again.

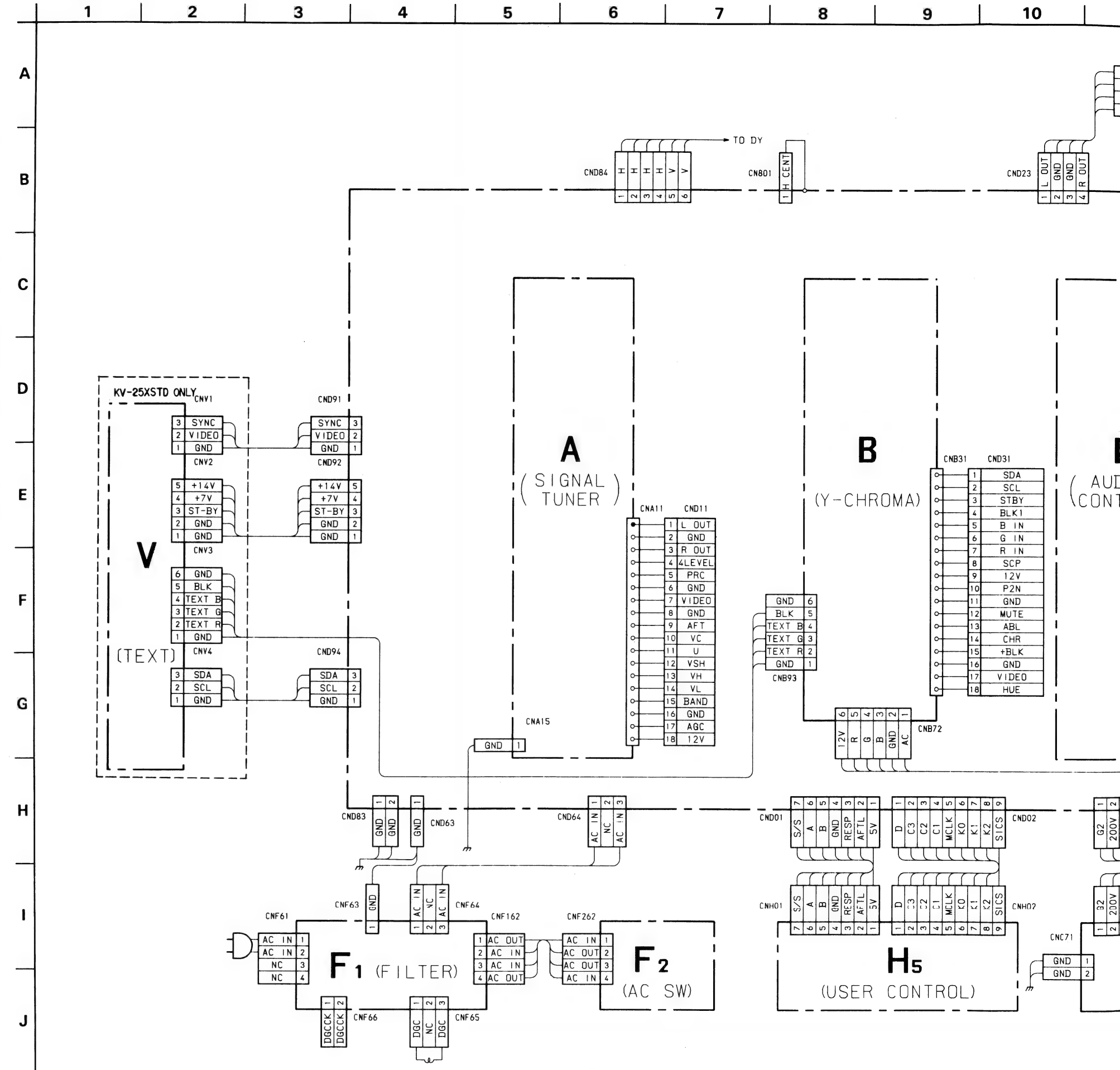


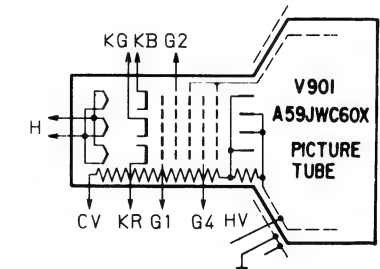
SECTION 5
DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



5-2. FRAME SCHEMATIC DIAGRAM.

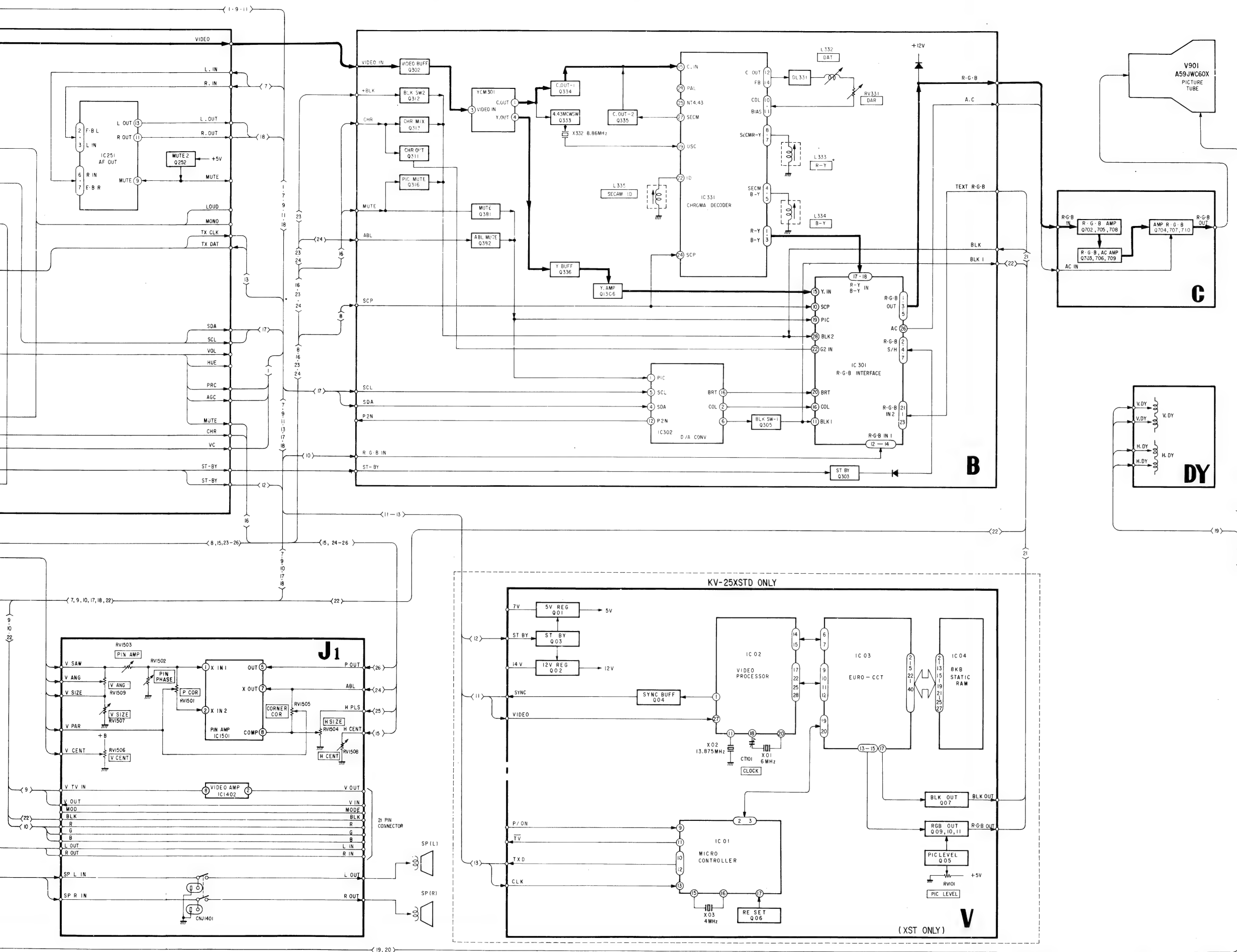




KV-25XSD/25XSTD
RM-673







Note:

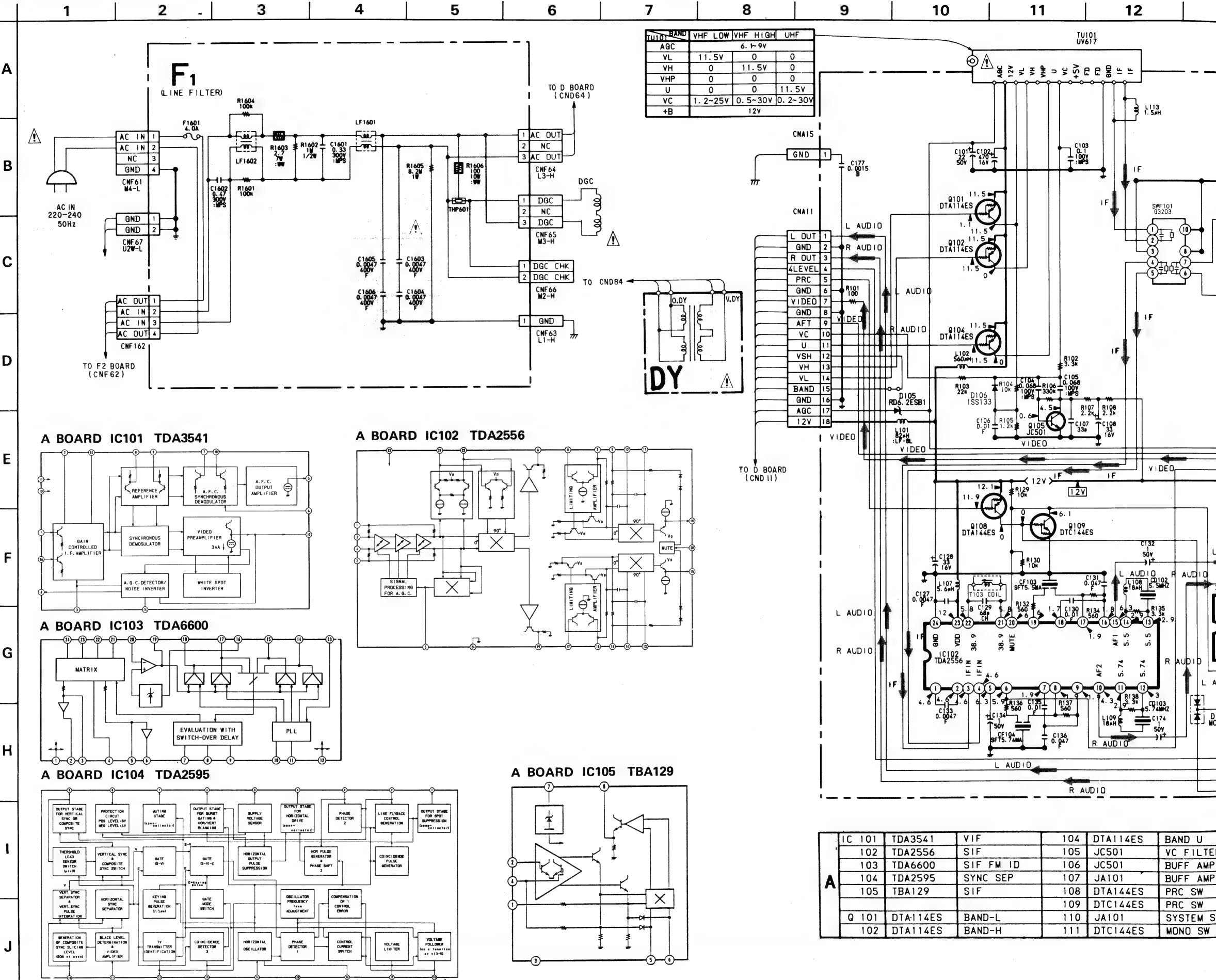
- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted. k: 1000 Ω , M: 1000 k Ω
- : nonflammable resistor.
- : fusible resistor.
- Δ : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 M Ω digital multimeter.
- : adjustment for repair.
- Voltage variations may be noted due to normal production tolerances.
- : B+ bus.
- : signal path.

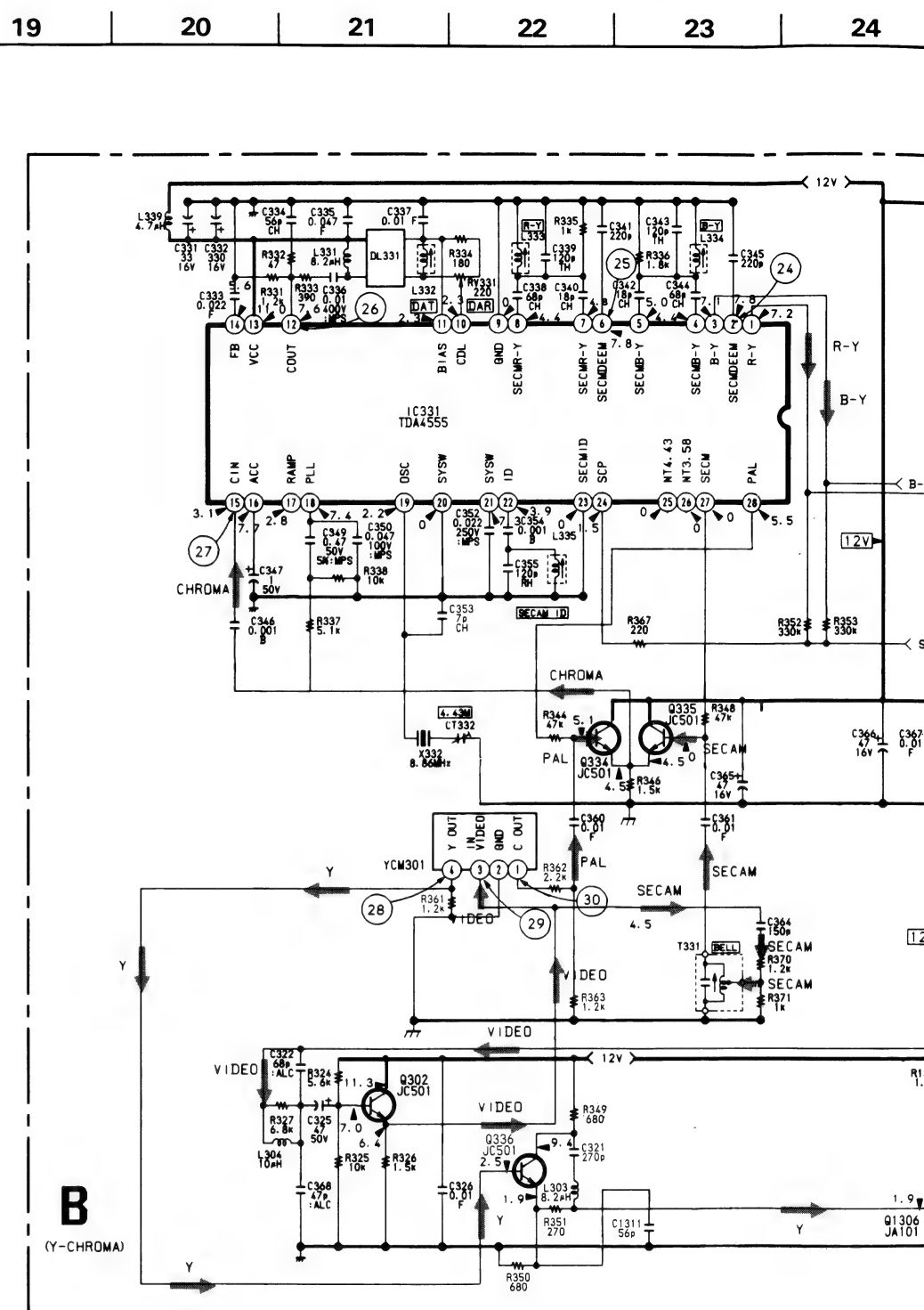
Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Reference information

- RESISTOR : RN METAL FILM
: RC SOLID
: FPRD NONFLAMMABLE CARBON
: FUSE NONFLAMMABLE FUSIBLE
: RS NONFLAMMABLE WIREWOUND
: RB NONFLAMMABLE CEMENT
- COIL : LF-8L MICRO INDUCTOR
- CAPACITOR : TA TANTALUM
: PS STYROL
: PP POLYPROPYLENE
: PT MYLAR
: MPS METALIZED POLYESTER
: MPP METALIZED POLYPROPYLENE
: ALB BIPOLAR
: ALT HIGH TEMPERATURE
: AIR HIGH RIPPLE

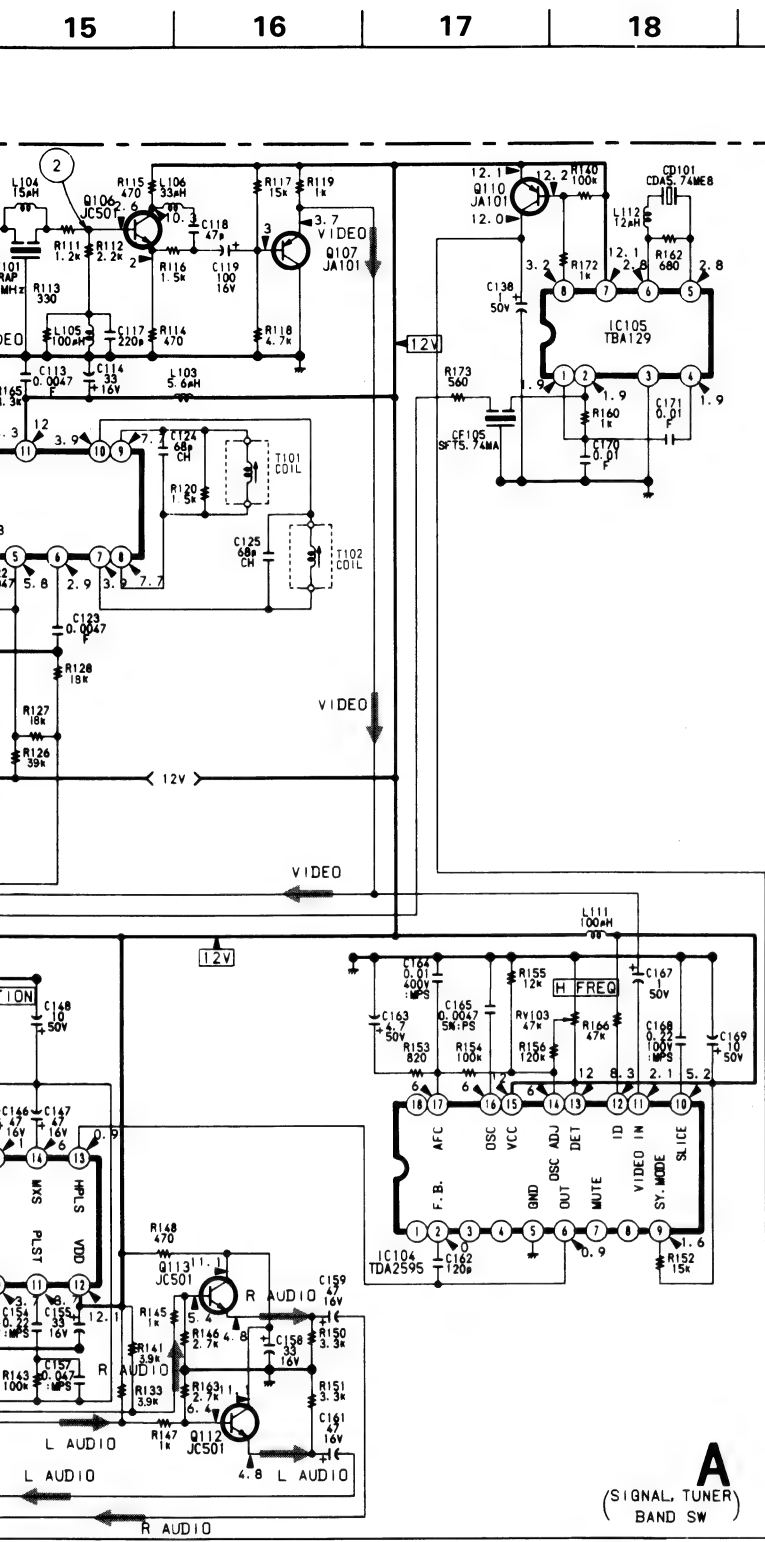
5-4. SCHEMATIC DIAGRAM (1)



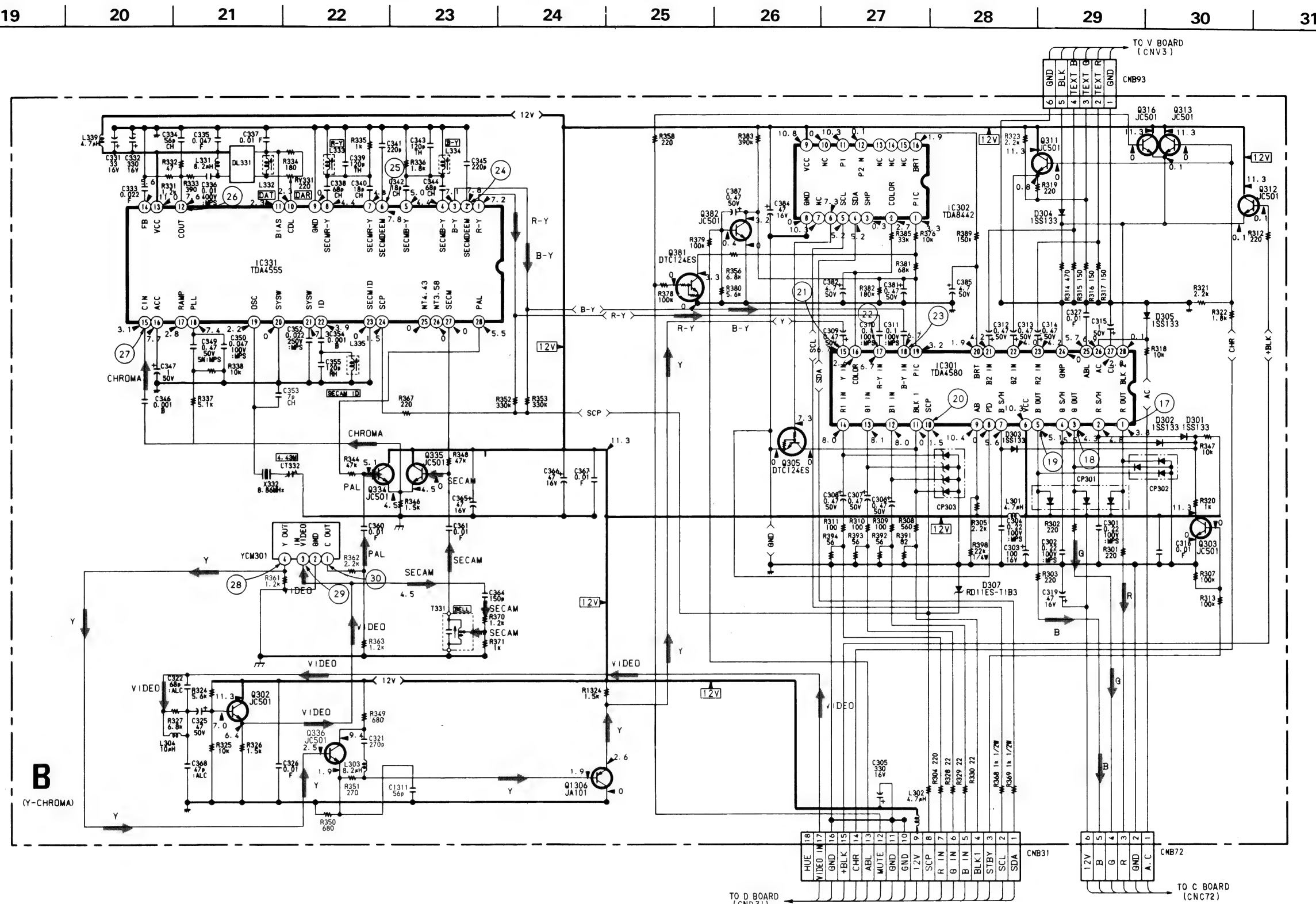
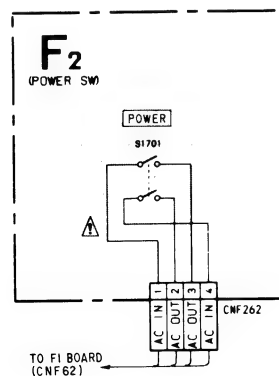


B	IC 301	TDA4580	RGB INTERFACE	313	JC501	CHR MIX	D 301
	302	TDA8442	D/A CONVERTOR	316	JC501	PIC MUTE	302
	331	TDA4555	CHROMA DECODER	334	JC501	CHROMA OUT-1	303
				335	JC501	CHROMA OUT-2	304
	Q 302	JC501	VIDEO BUFF	336	JC501	Y BUFF	305
	303	JC501	ST BY SW	381	DTC124ES	MUTE	307
	305	DTC124ES	BLK SW-1	382	JC501	ABL MUTE	
	311	JC501	CHR OUT	1306	JA101	Y BUFF	
	312	JC501	BLK SW-2				





BUFF L
BUFF R
ARCH AGC
STOP
STEM SW

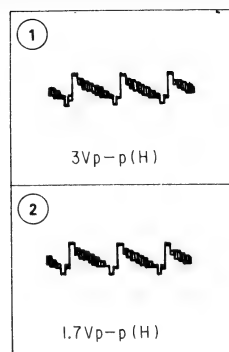


B	IC 301	TDA4580	RGB INTERFACE	313	JC501	CHR MIX	D 301	1SS133	ST BY MUTE-1
	302	TDA8442	D/A CONVERTOR	316	JC501	PIC MUTE	302	1SS133	ST BY MUTE-2
	331	TDA4555	CHROMA DECODER	334	JC501	CHROMA OUT-1	303	1SS133	ST BY MUTE-3
				335	JC501	CHROMA OUT-2	304	1SS133	BLK SW
	Q 302	JC501	VIDEO BUFF	336	JC501	Y BUFF	305	1SS133	ADD
	303	JC501	ST BY SW	381	DTC124ES	MUTE	307	RD11ES-B3	ADD
	305	DTC124ES	BLK SW-1	382	JC501	ABL MUTE			
	311	JC501	CHR OUT	1306	JA101	Y BUFF			
	312	JC501	BLK SW-2						

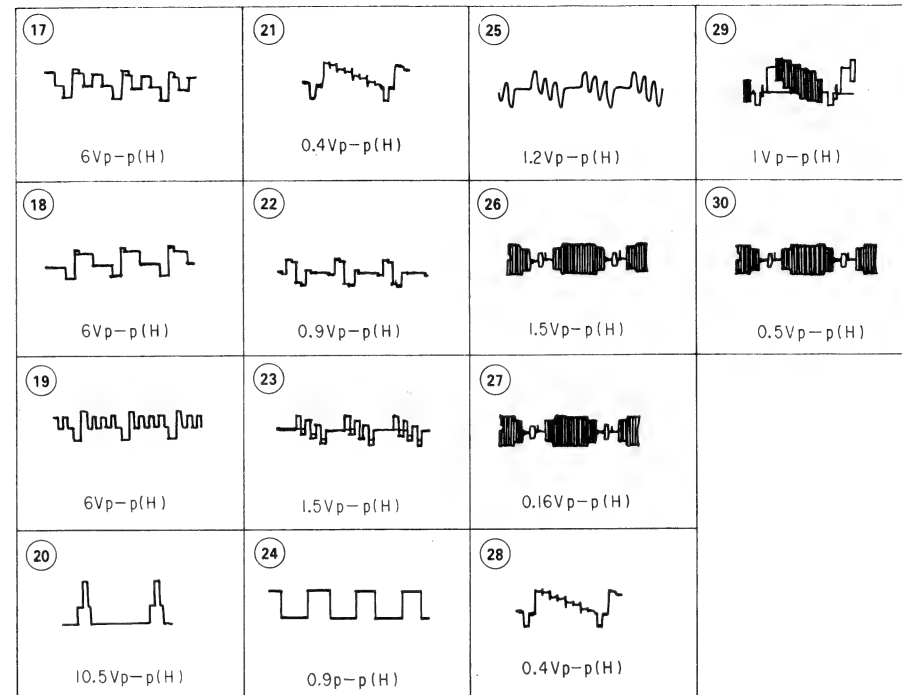
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A

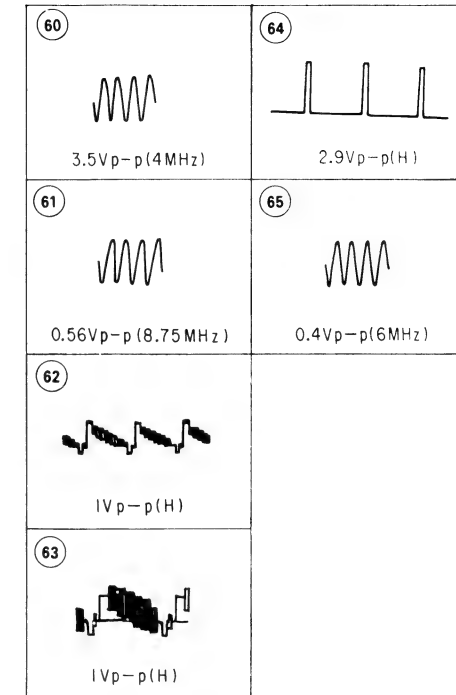
• A BOARD WAVEFORM



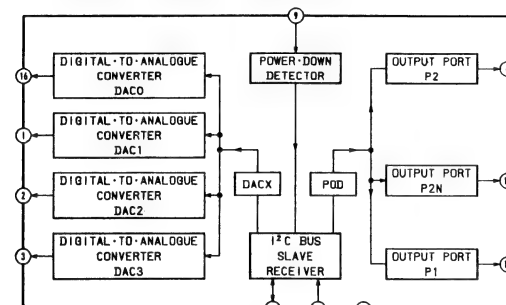
• B BOARD WAVEFORM



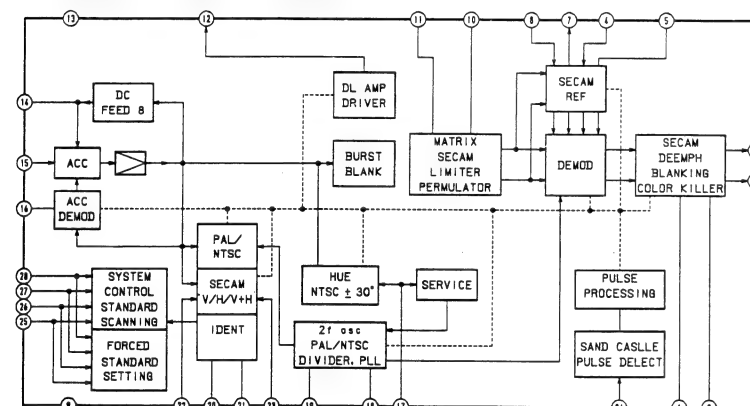
• V BOARD WAVEFORM



B BOARD IC302 TDA8442



B BOARD IC331 TDA4555



(KV-25XSTD ONLY)

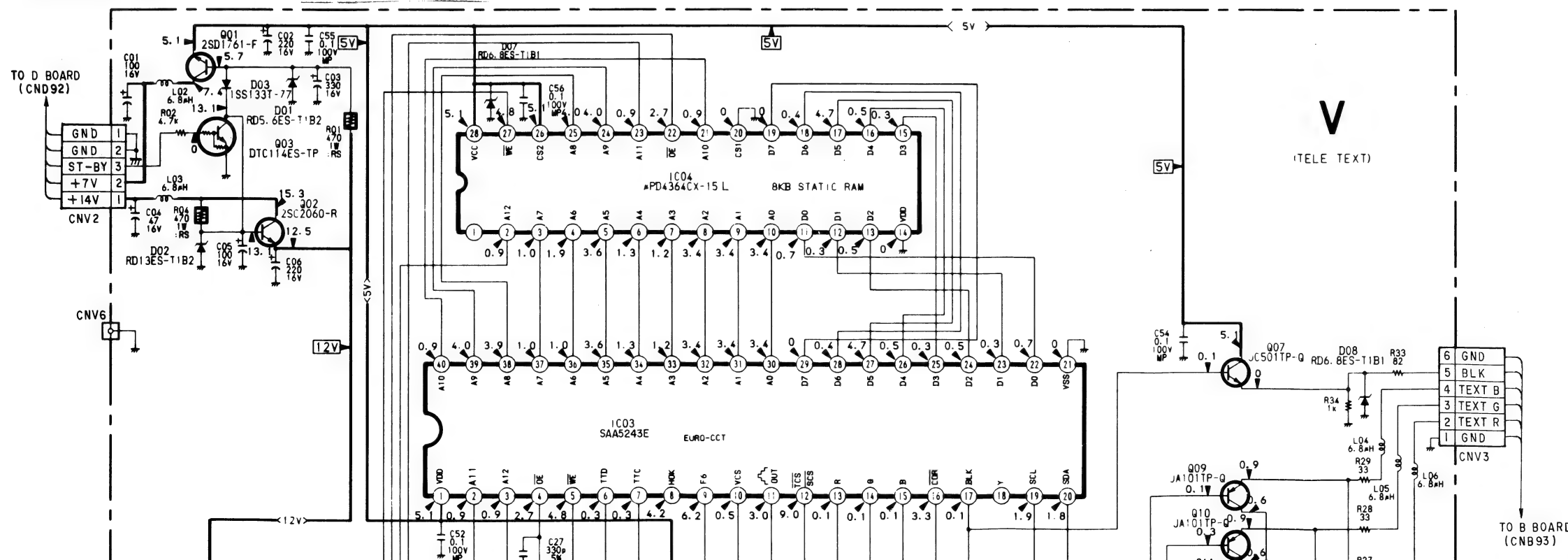
G

H

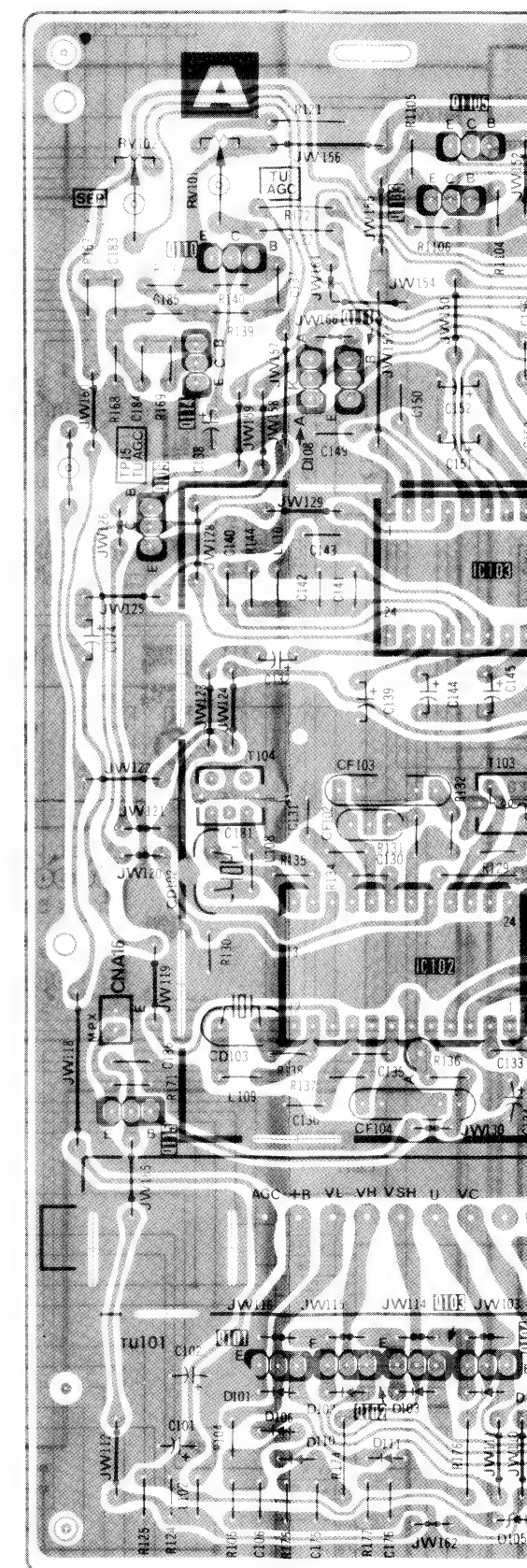
I

J

K

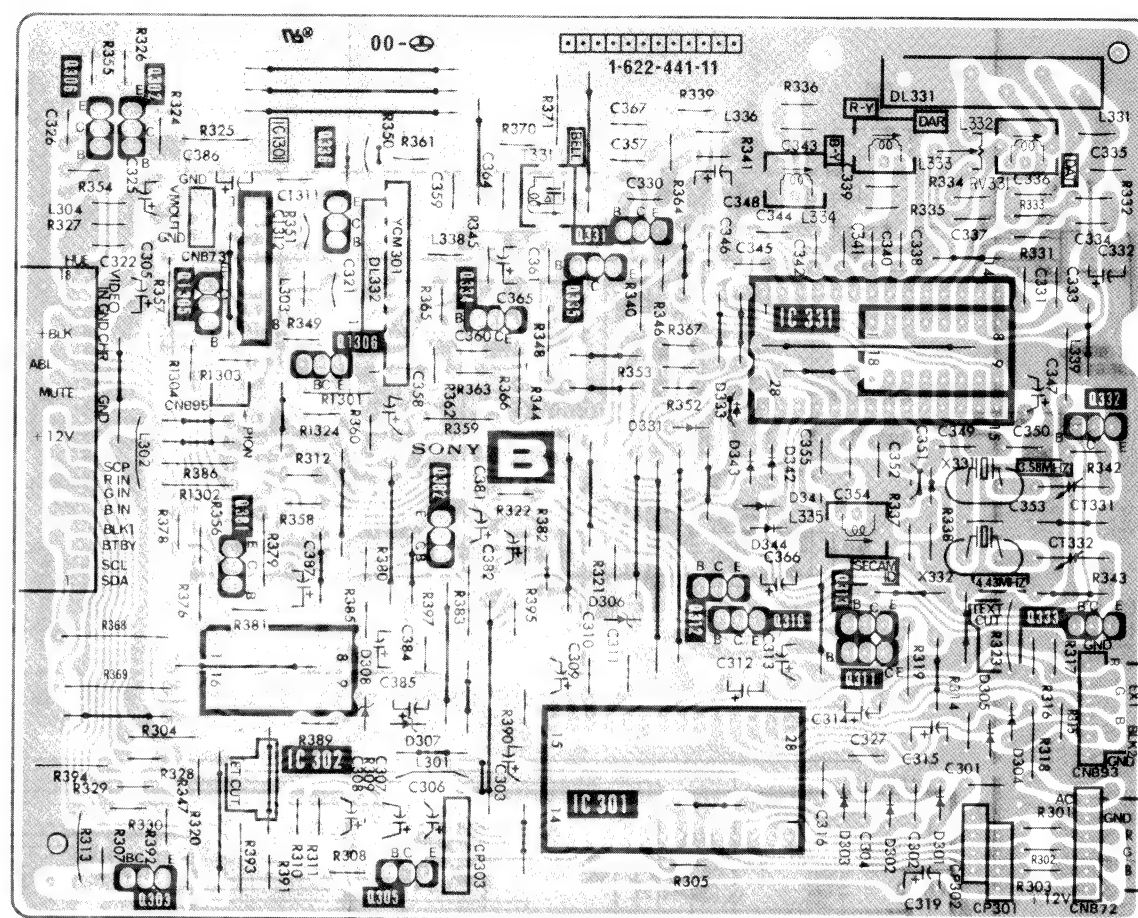
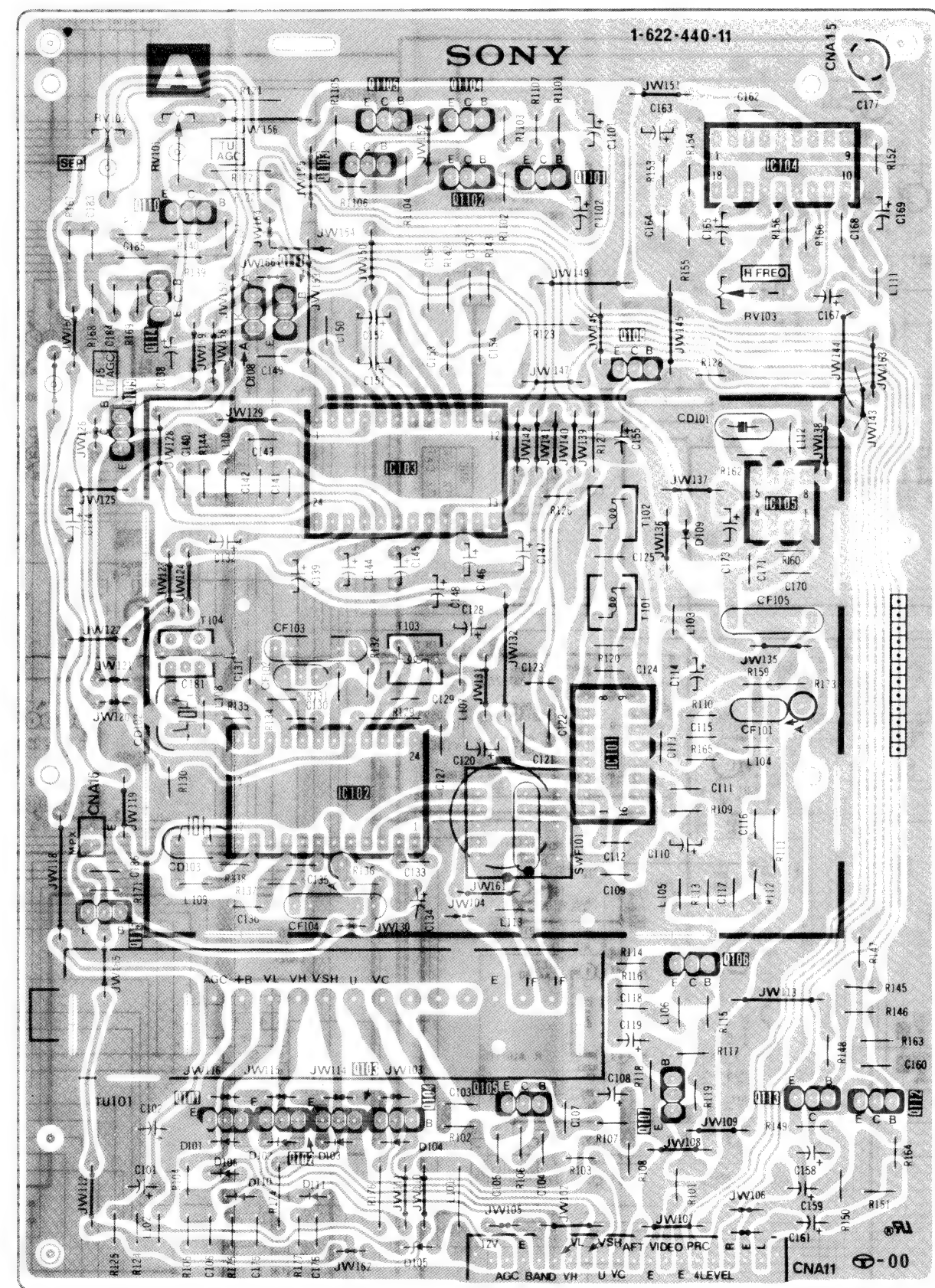


— A Board —

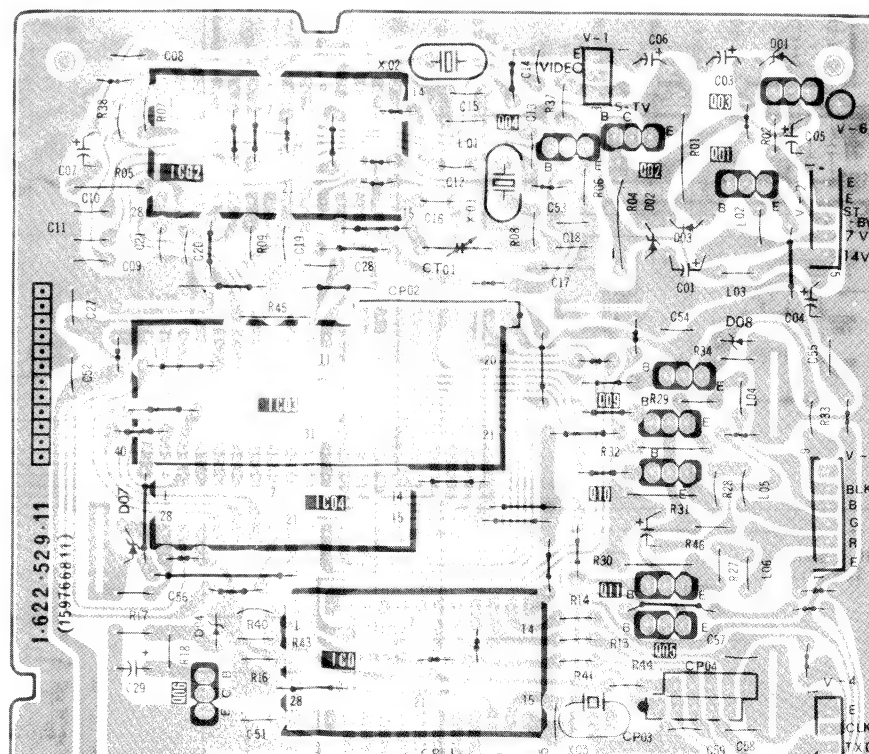


— F₂ Board —

— B Board —



— V Board — (KV-25XSTD ONLY)

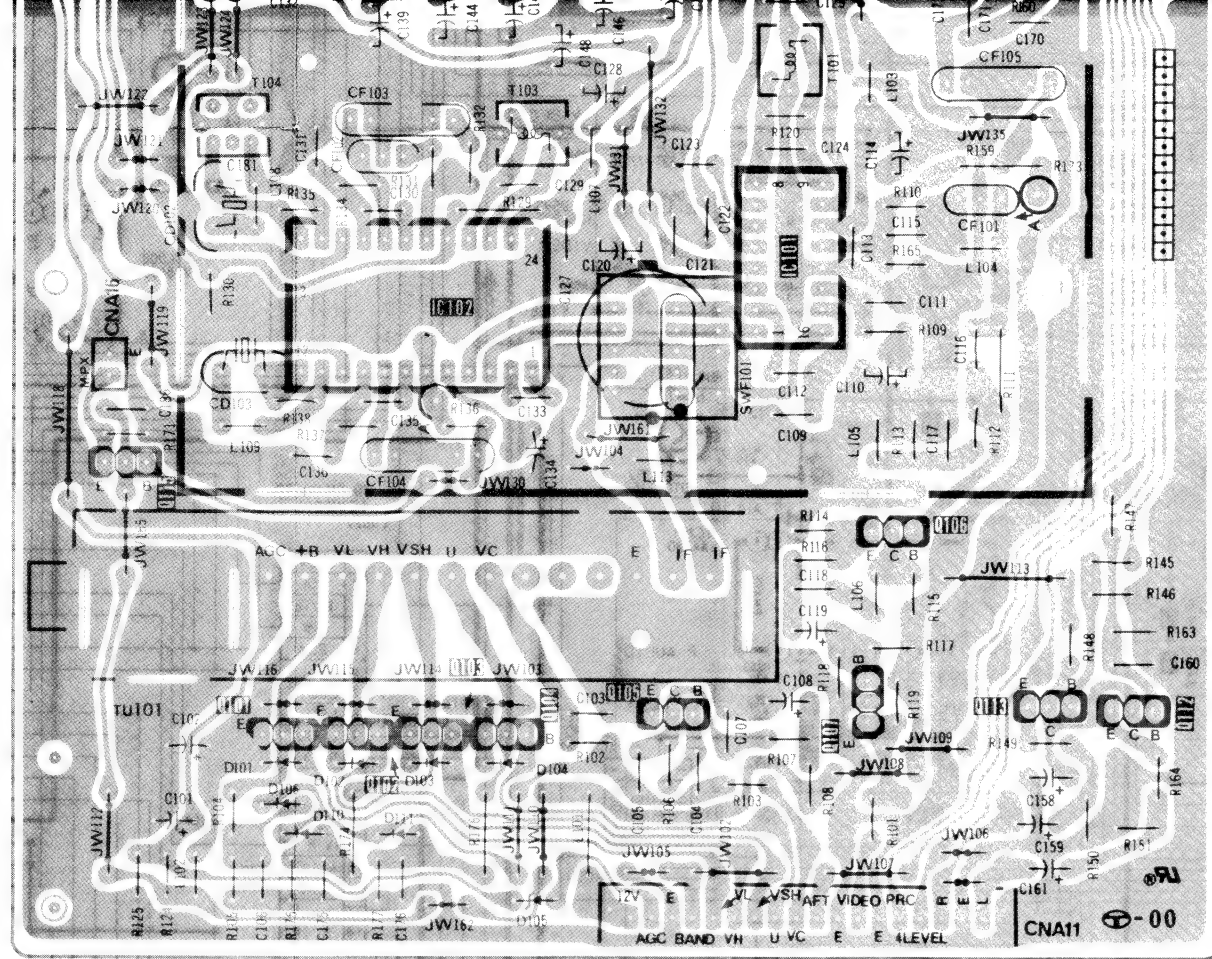
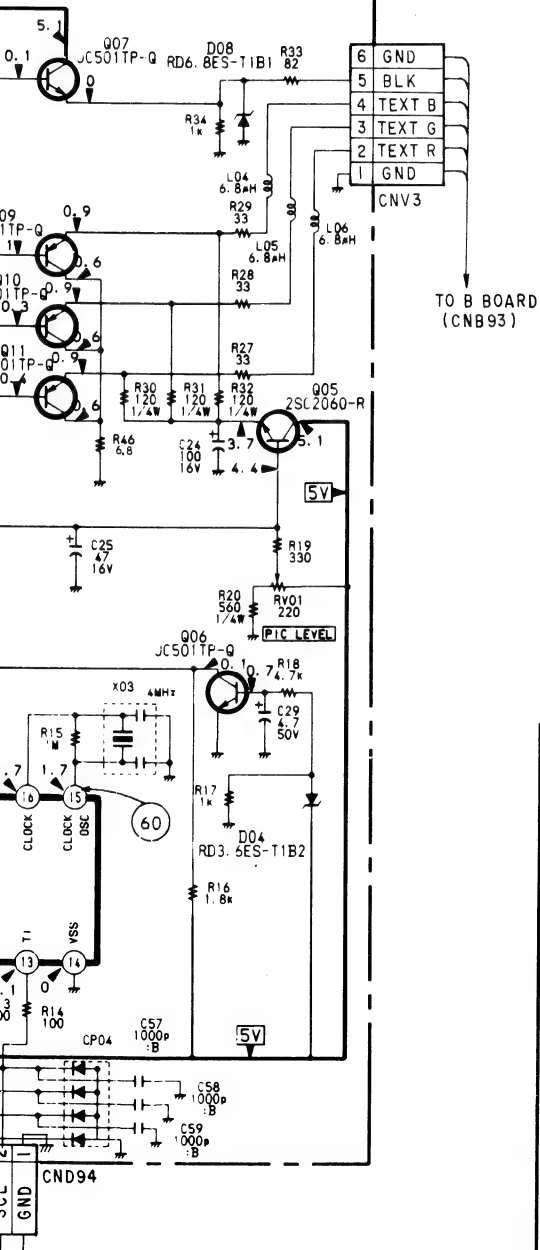


— F₂ Board —

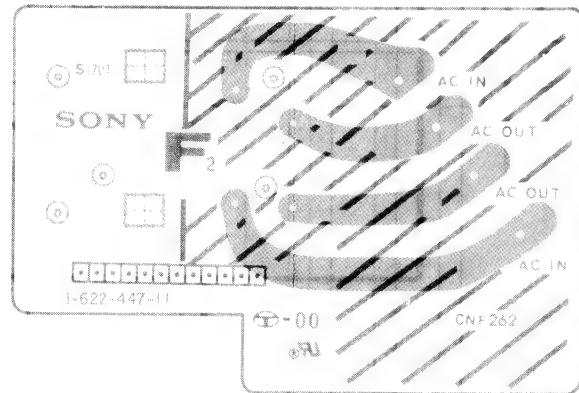


TO B BOARD
(CNB93)

V
(TELE TEXT)

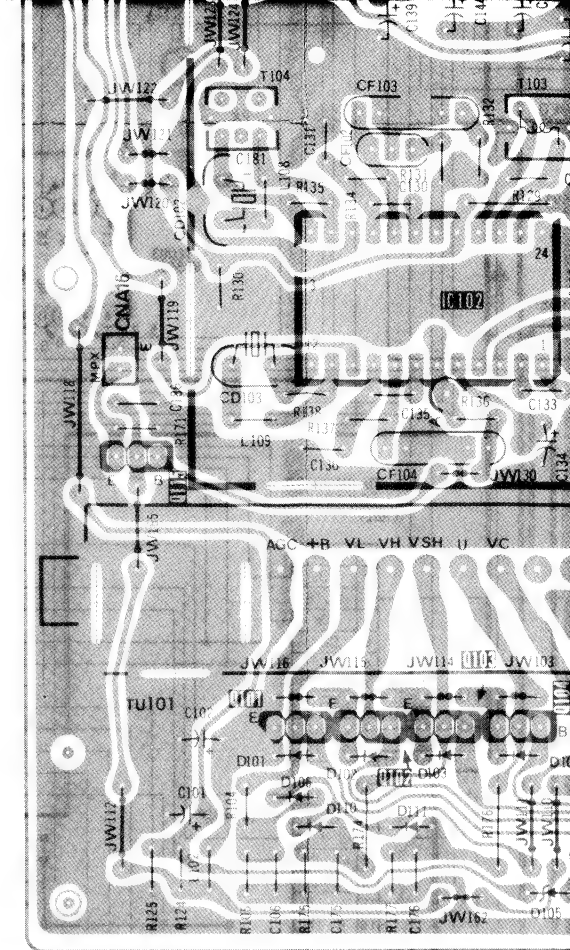


— F₂ Board —

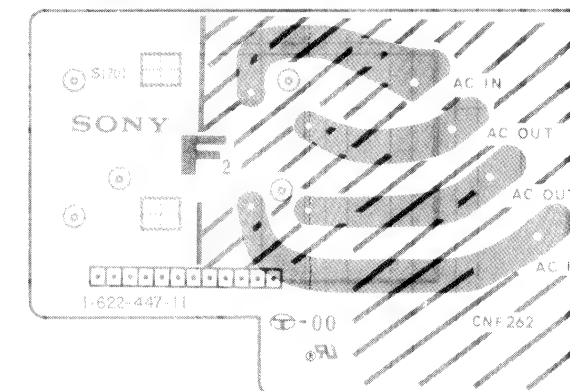


V	IC 01	MAB8461P-W083	MICRO CTL
	02	SAA5231	VIDEO PROCESSOR
	03	SAA5243E	EURO CCT
	04	#PD4364CX-15L	8KB STATIC RAM
	Q 01	2SD1761-F	5V REG
	02	2SC2060-R	12V REG
	03	DTC114ES	ST BY
	04	JCS01TP	SYNC BUFF
	05	2SC2060-R	PIC LEVEL
	06	JCS01TP	RESET
	07	JCS01TP	BLK OUT
	09	JA101TP	B OUT
	10	JA101TP	G OUT
11	JA101TP	R OUT	
	D 01	RD5.6ES-B2	5V REG
	02	RD13ES-B2	12V REG
	03	1SS133	ST BY
	04	RD3.6ES-B2	RESET
	07	RD6.8ES-B1	PROTECT-1
	08	RD6.8ES-B1	PROTECT-2

(KV-25XSTD ONLY)

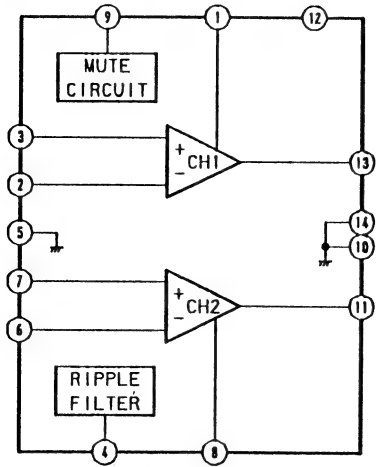


— F₂ Board —

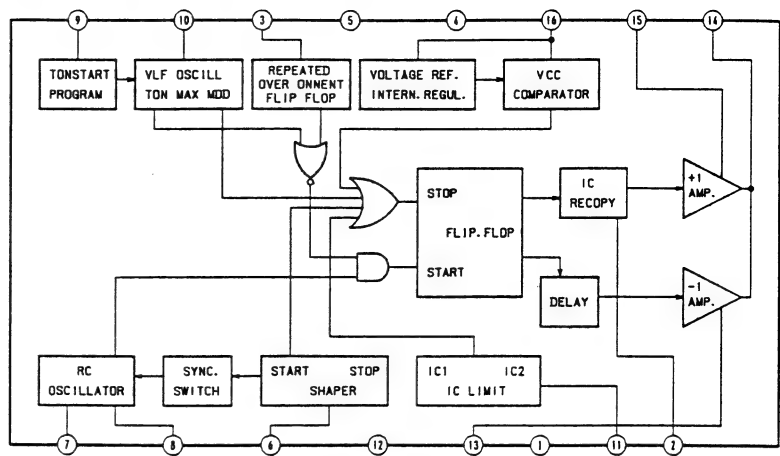


V	IC 01	MAB8461P-W083	MICRO CTL
	02	SAA5231	VIDEO PROCESSOR
	03	SAA5243E	EURO CCT
	04	#PD4364CX-15L	8KB STATIC RAM
	Q 01	2SD1761-F	5V REG
	02	2SC2060-R	12V REG
	03	DTC114ES	ST BY
	04	JC501TP	SYNC BUFF
	05	2SC2060-R	PIC LEVEL
	06	JC501TP	RESET
	07	JC501TP	BLK OUT
	09	JA101TP	B OUT
	10	JA101TP	G OUT
	11	JA101TP	R OUT
	D 01	RD5.6ES-B2	5V REG
	02	RD13ES-B2	12V REG
	03	1SS133	ST BY
04	RD3.6ES-B2	RESET	
07	RD6.8ES-B1	PROTECT-1	
08	RD6.8ES-B1	PROTECT-2	

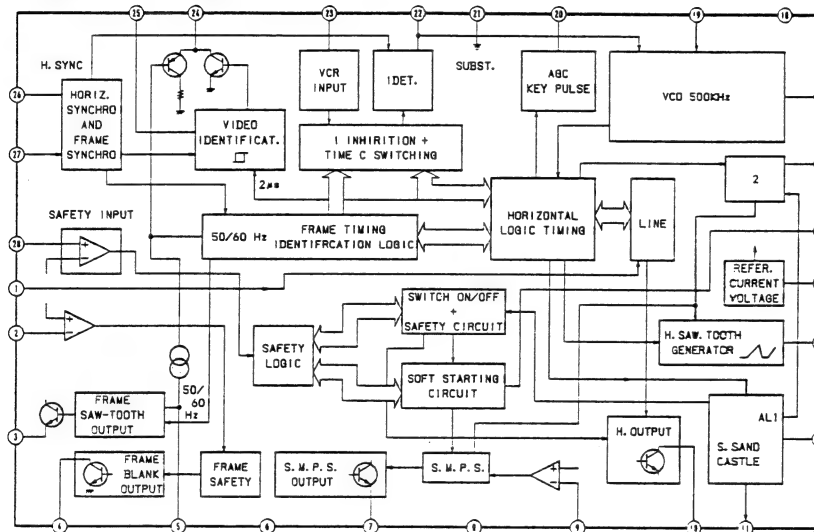
D BOARD IC251 LA4280



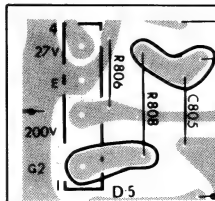
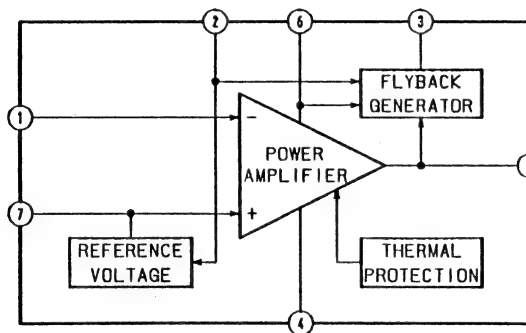
D BOARD IC601 TEA2164



D BOARD IC501 TEA2028A



D BOARD IC502 TDA8170



NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

PRINTED WIRING BOARDS (2)

[AF OUT, Y-CHROMA]
[JUNGLE, V-H DEF]

D

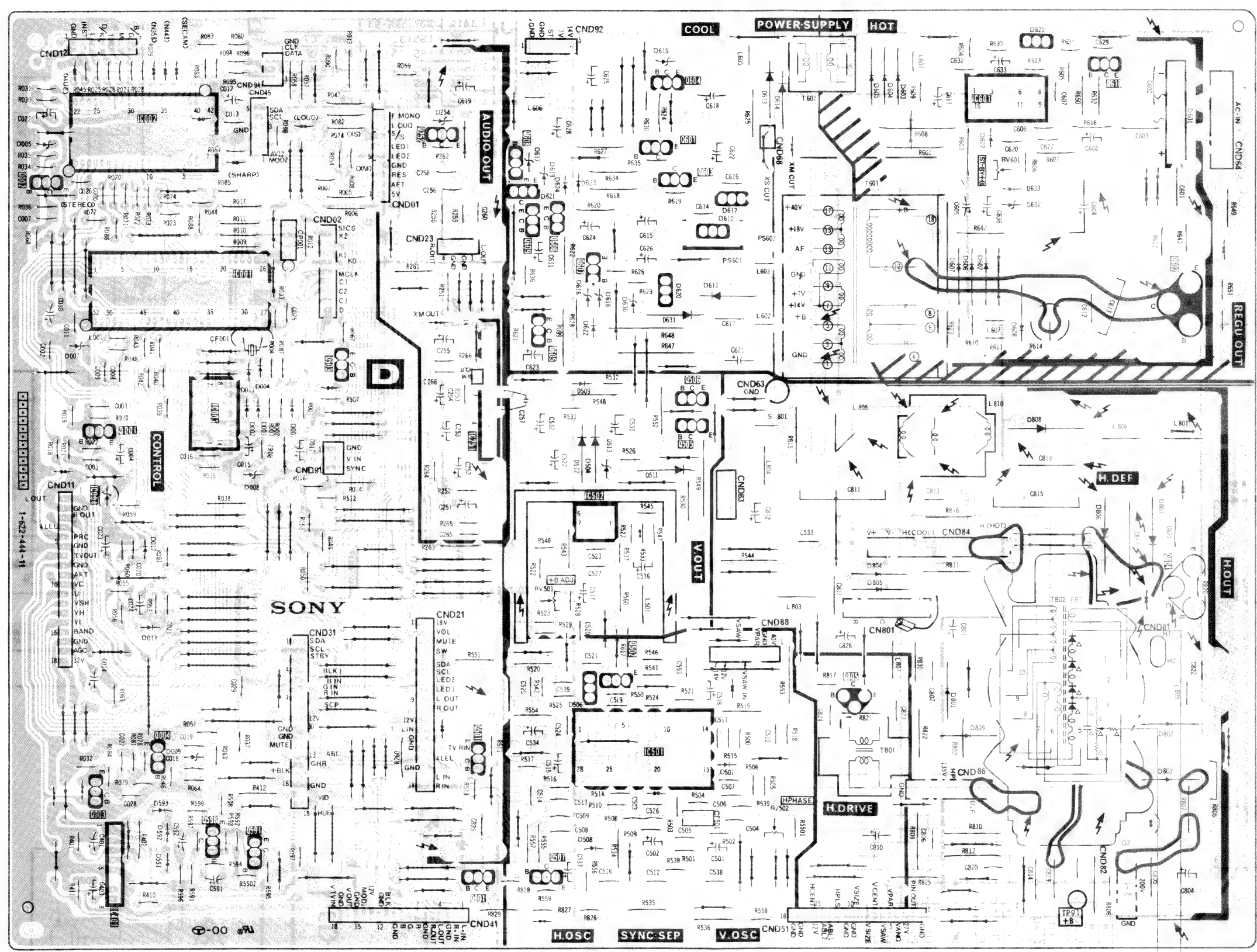
KS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

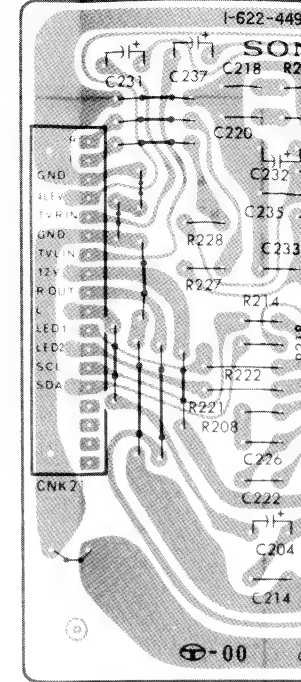
A B C D E F G H I J

- D Board -

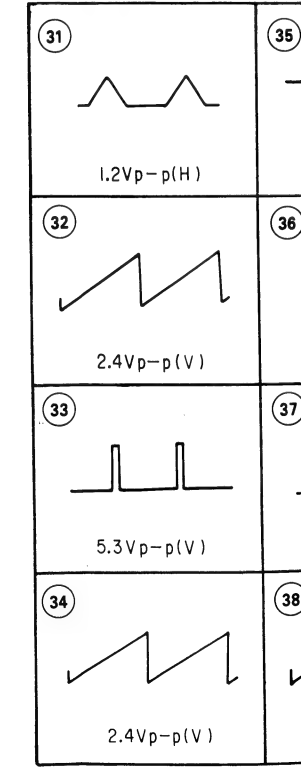
- KS Board -



IC		DIODE	
IC001	D-3	D001	E-4
IC002	B-2	D002	F-3
IC003	F-3	D003	F-3
IC004	F-2	D004	D-3
IC251	E-6	D005	B-1
TRANSISTOR			
Q001	E-2	D007	D-1
Q002	B-1	D008	F-3
Q003	I-2	D009	I-3
Q004	H-2	D011	E-3
Q252	B-6	D013	G-2
Q501	H-6	D254	B-5
Q502	H-7	D501	I-8
Q503	D-4	D504	E-7
Q505	E-8	D506	H-7
Q506	E-8	D508	I-7
Q507	J-6	D511	F-8
Q591	I-3	D512	E-7
Q598	I-3	D513	E-7
Q601	B-8	D591	J-2
Q602	D-13	D592	I-2
Q603	B-8	D593	I-2
Q604	A-8	D601	B-13
Q605	D-6	D602	C-11
Q606	C-7	D603	A-10
Q607	C-7	D604	A-10
Q608	B-6	D605	A-10
Q609	O-6	D606	C-11
Q801	J-6	D607	O-11
Q804	G-13	D608	D-11
Q805	H-10	D610	C-8
VARIABLE RESISTOR			
RV501	G-6	D611	D-8
RV502	I-9	D612	O-8
RV601	B-11	D613	A-9
		D614	B-9
		D615	A-8
		D616	D-7
		D617	B-6
		D618	D-7
		D619	B-6
		D620	D-8
		D621	O-6
		D622	D-7
		D623	O-7
		D624	C-7
		D627	B-11
		D630	D-7
		D632	O-11
		D633	O-11
		D801	H-11
		D802	H-13
		D803	I-13
		D804	G-10
		D805	G-10
		D806	F-12
		D808	E-12
		D809	H-11



• D BOARD WAVEFORM



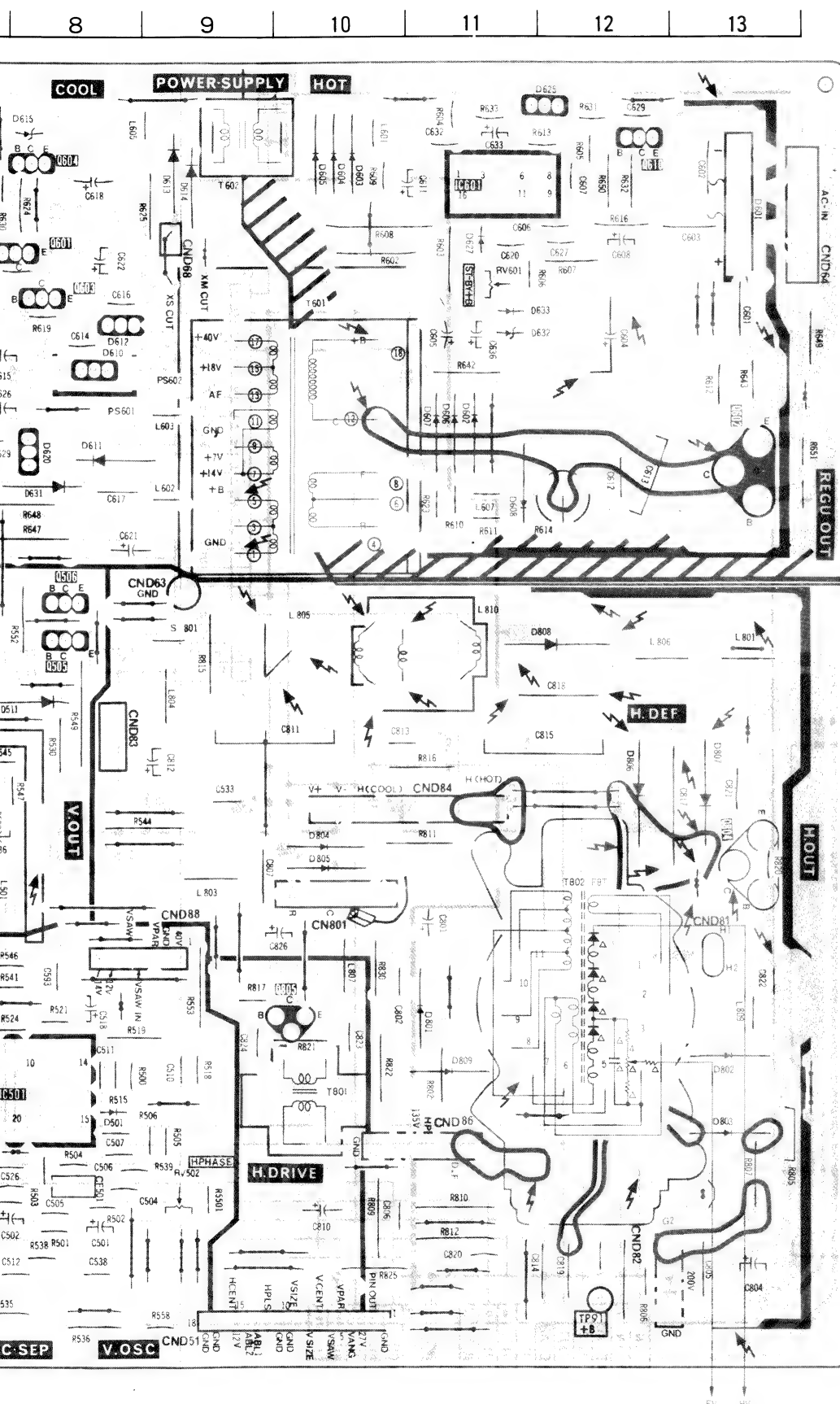
[AF OUT, Y-CHROMA]
[JUNGLE, V-H DEF]

D

KS

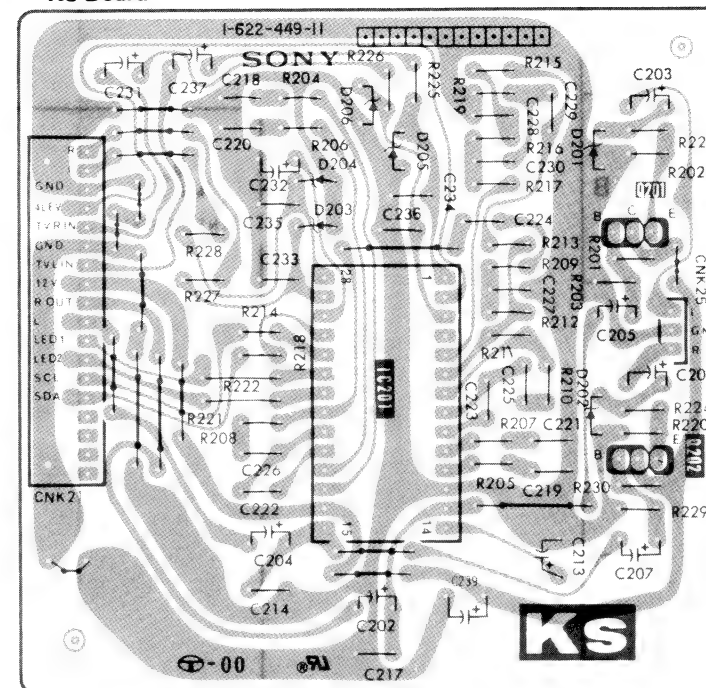
[STEREO]

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

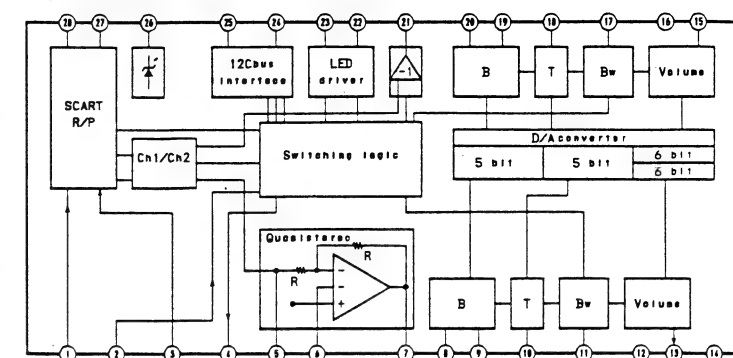


IC		DIODE	
IC001	D-3	D001	E-4
IC002	B-2	D002	E-3
IC003	F-3	D003	E-3
IC004	F-3	D004	D-3
IC251	E-6	D005	B-1
TRANSISTOR			
Q001	E-2	D007	D-1
Q002	B-1	D008	F-3
Q003	I-2	D009	I-3
Q004	H-2	D011	E-3
Q252	B-6	D013	G-2
Q501	H-6	D254	B-5
Q502	H-7	D501	I-8
Q503	D-4	D504	E-7
Q505	E-8	D506	H-7
Q506	E-8	D508	I-7
Q507	J-6	D511	F-8
Q591	I-3	D512	E-7
Q598	I-3	D513	E-7
Q601	B-8	D591	J-2
Q602	D-13	D592	I-2
Q603	B-8	D593	I-2
Q604	A-8	D601	B-13
Q605	D-6	D602	C-11
Q606	C-6	D603	A-10
Q607	C-7	D604	A-10
Q608	B-6	D605	A-10
Q609	C-6	D606	C-11
Q801	J-6	D607	C-11
Q804	G-13	D608	D-11
Q805	H-10	D610	C-8
VARIABLE RESISTOR			
RV501	G-6	D611	D-8
RV502	I-9	D612	C-8
RV601	B-11	D613	A-9
		D614	B-9
		D615	A-8
		D616	D-7
		D617	B-6
		D618	D-7
		D619	B-6
		D620	D-8
		D621	C-6
		D622	D-7
		D623	C-7
		D624	C-7
		D627	B-11
		D630	D-7
		D632	C-11
		D633	C-11
		D801	H-11
		D802	H-13
		D803	I-13
		D804	G-10
		D805	G-10
		D806	F-12
		D808	E-12
		D809	H-11

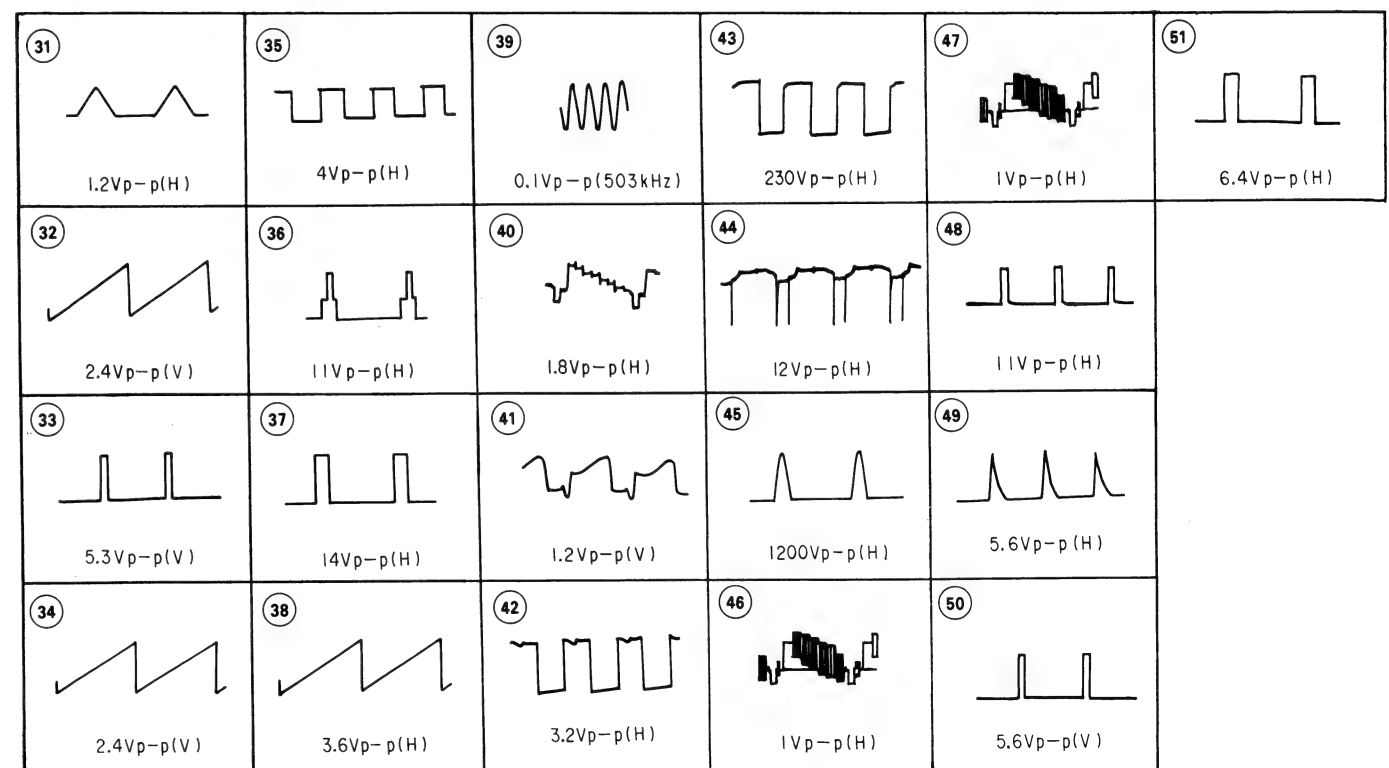
- KS Board -



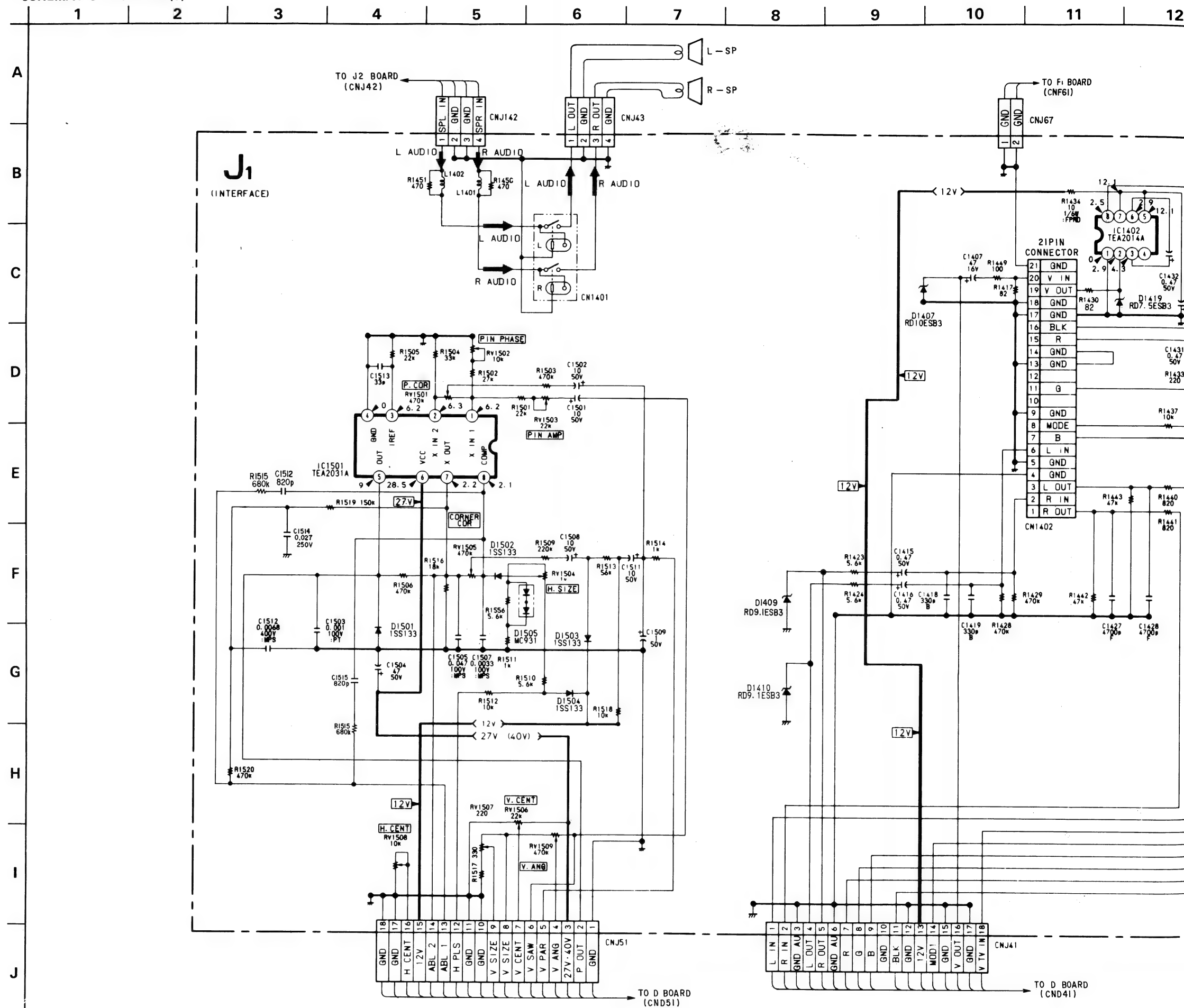
KS BOARD IC201 TDA6200



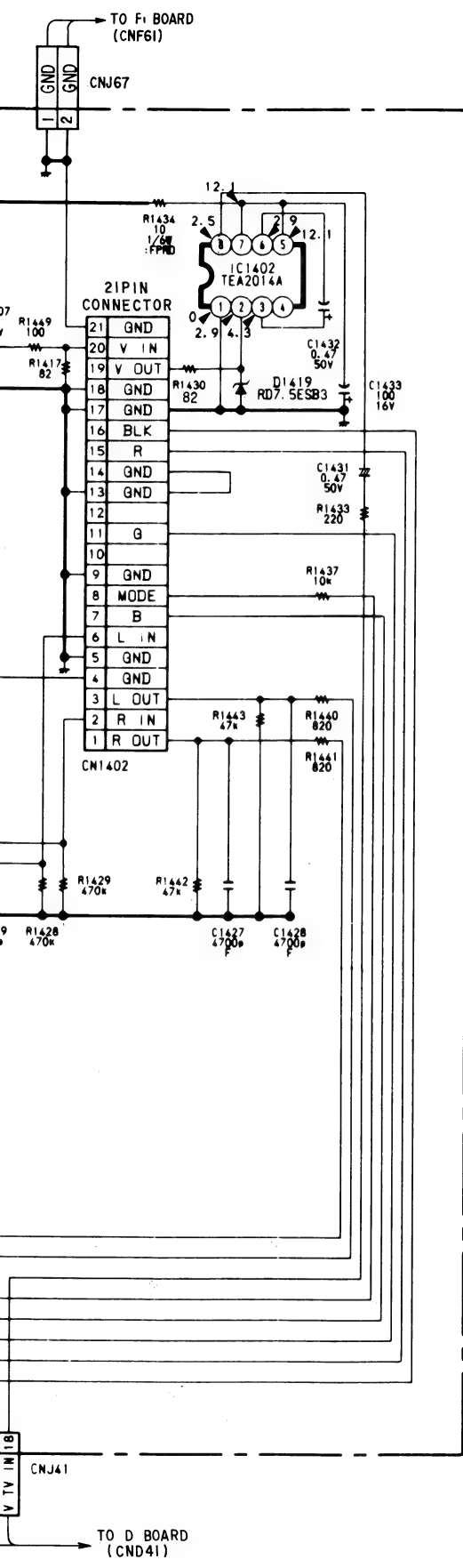
• D BOARD WAVEFORM



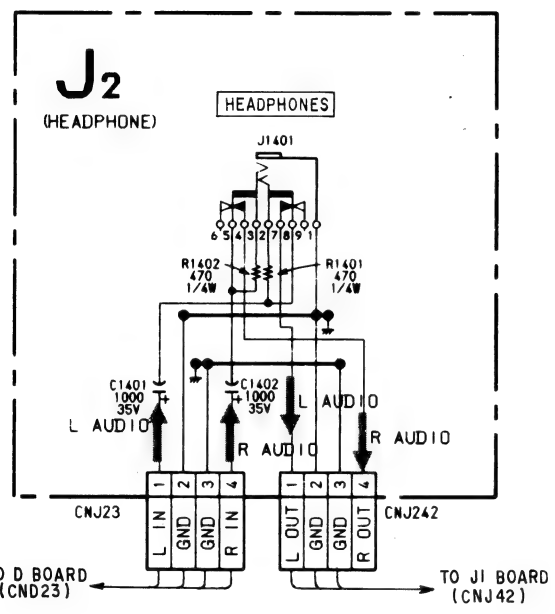
SCHEMATIC DIAGRAM (3)



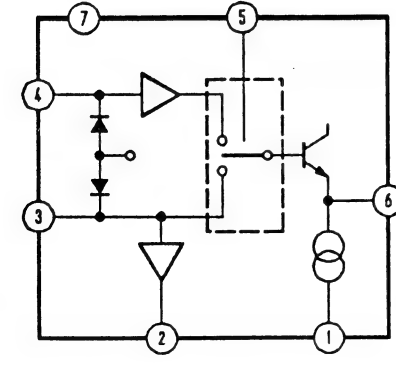
0 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26



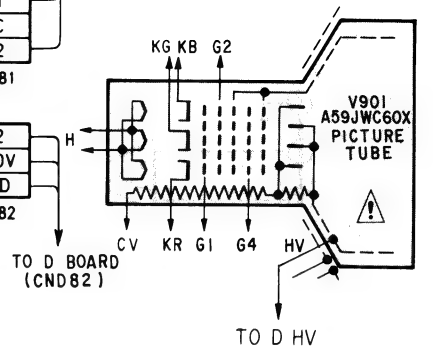
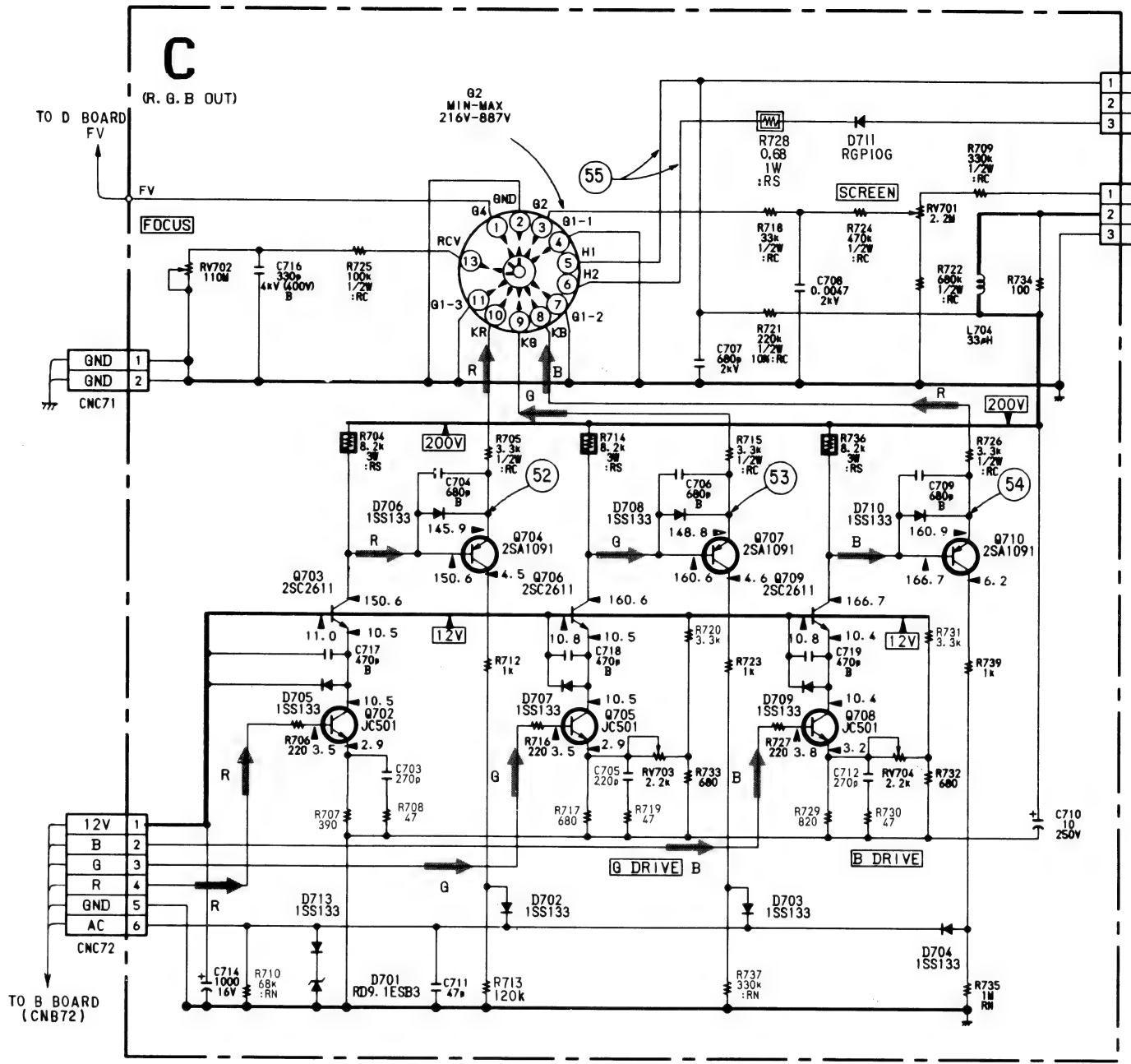
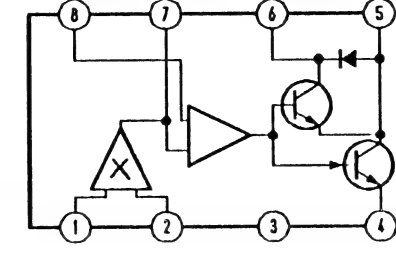
IC1402	TEA2014A	VIDEO SWITCHING
1501	TEA2031A	PIN AMP
D1407	RD10ESB3	PROTECT
1409	RD9.1ESB3	PROTECT
1410	RD9.1ESB3	PROTECT
1419	RD7.5ES-B3	
1501	1SS133	PROTECT
1502	1SS133	DC STOP
1503	1SS133	CORNER CORRECT
1504	1SS133	H.P SLICER
1505	MC931	PROTECT



J₁ BOARD IC1402 TEA2014A



J₁ BOARD IC1501 TEA2031A



Q 702	JC501	R AMP
704	2SA1091	R AC AMP
705	JC501	G AMP
707	2SA1091	G AC AMP
708	JC501	B AMP
710	2SA1091	B AC AMP
D 701	RD9.1ES-B3	PROTECT-1
702	1SS133	AC MIX-1
703	1SS133	AC MIX-2
704	1SS133	AC MIX-3
705	1SS133	PROTECT-2
706	1SS133	PROTECT-3
707	1SS133	PROTECT-4
708	1SS133	PROTECT-5
709	1SS133	PROTECT-6
710	1SS133	PROTECT-7
711	RGP10GPKG23	PROTECT-8
713	1SS133	PROTECT

J1

[INTERFACE]

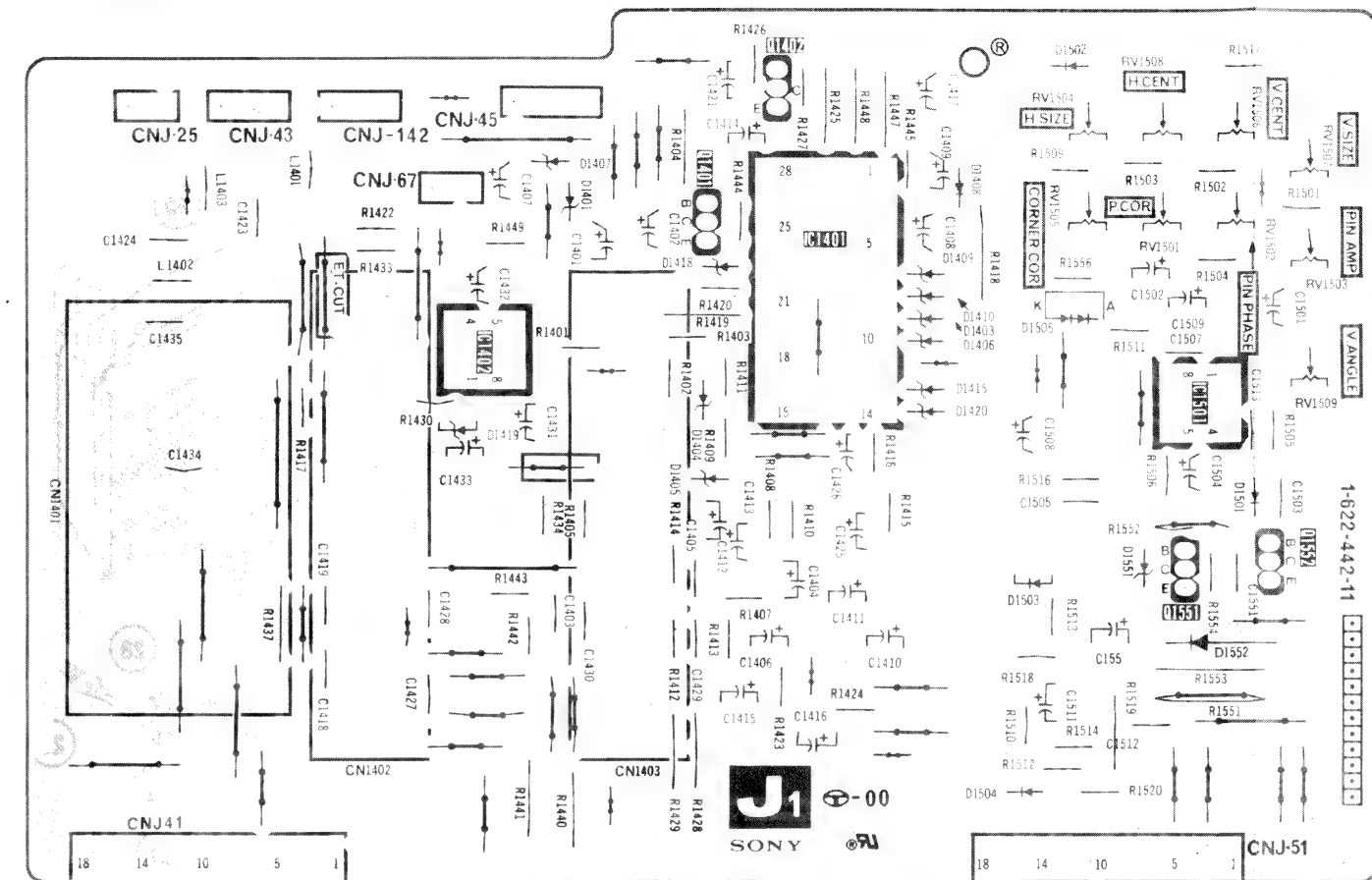
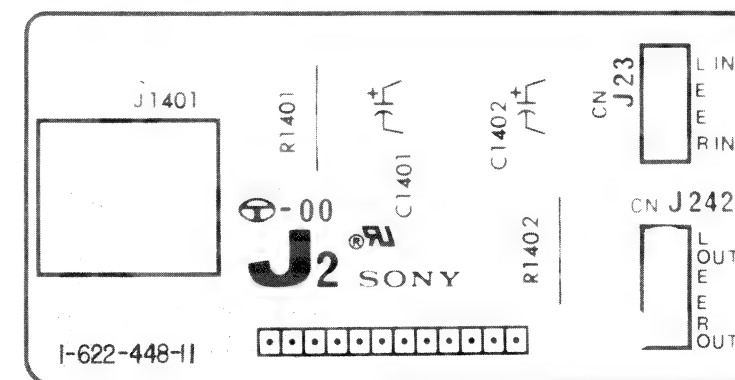
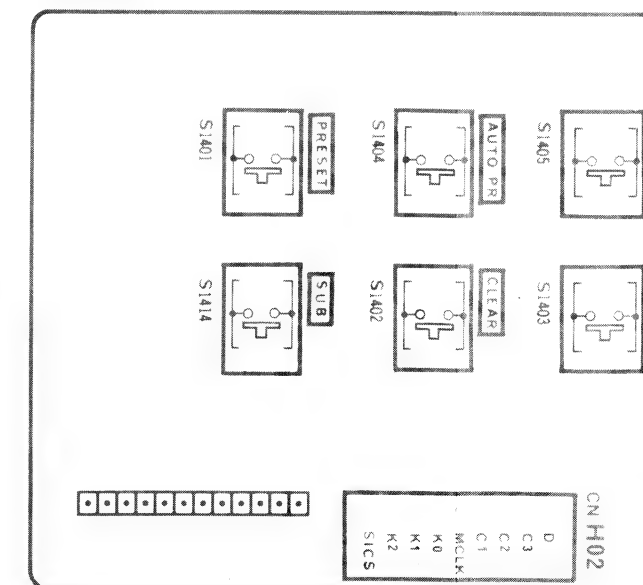
J2

[HEADPHONE]

H5

[REMOCON RECEIVER,
CUSTOMER]

PRINTED WIRING BOARDS (3)

- J₁ Board -- J₂ Board -- H₅ Board -

A

B

C

D

E

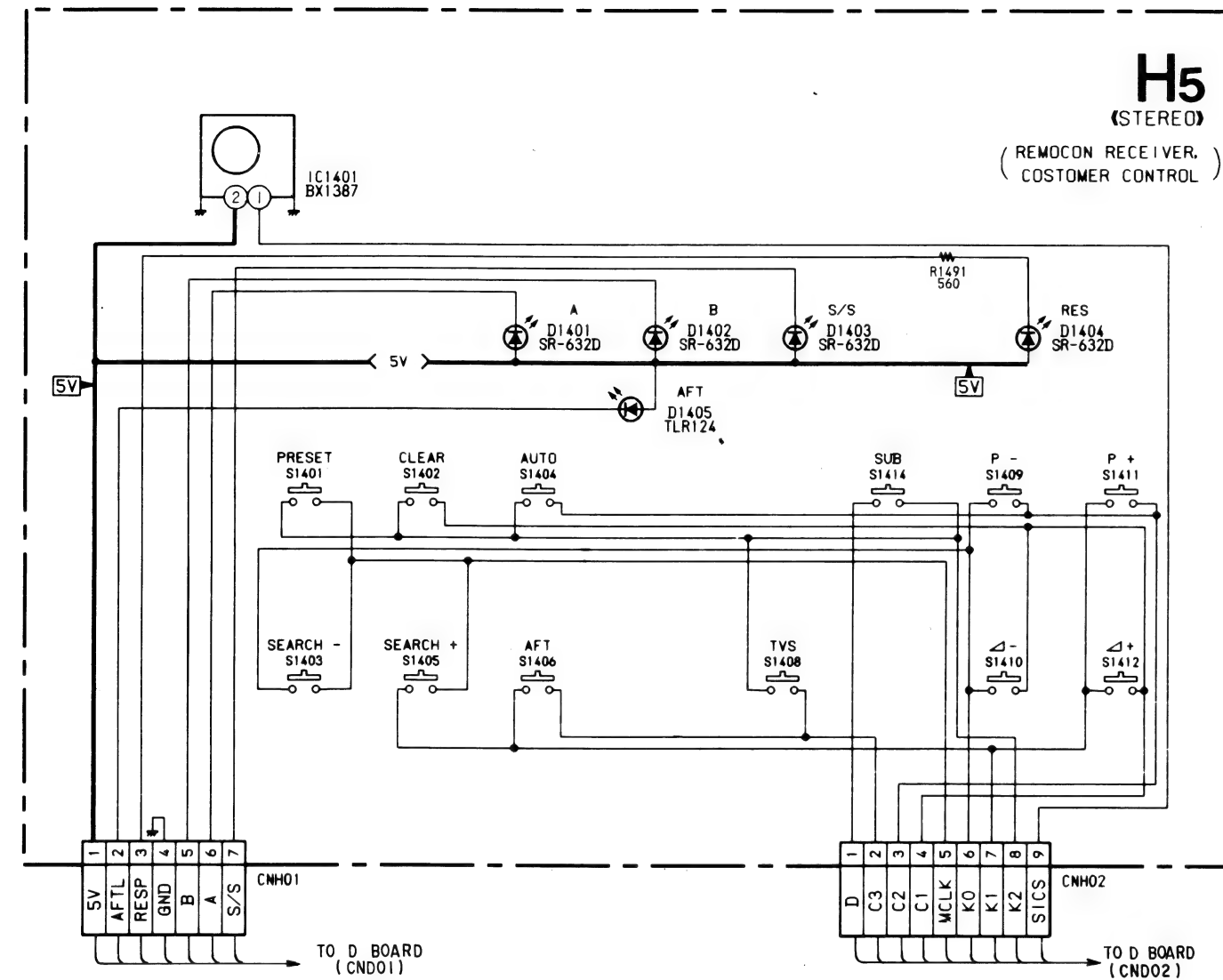
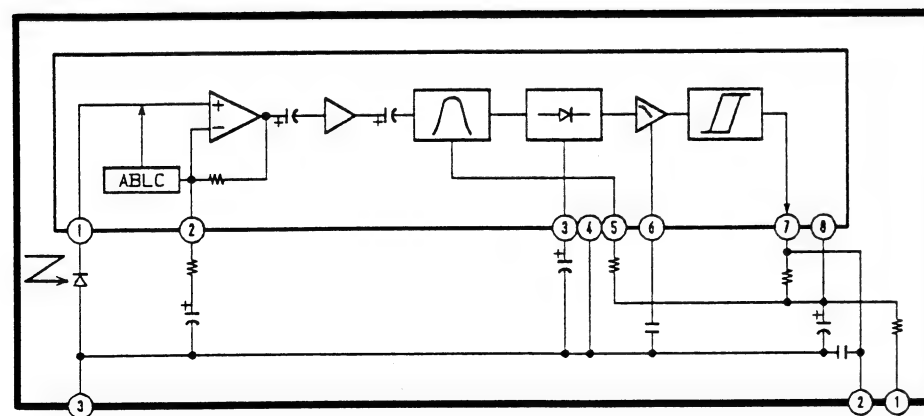
F

G

H

I

J

H₅ BOARD IC1401 BX1387

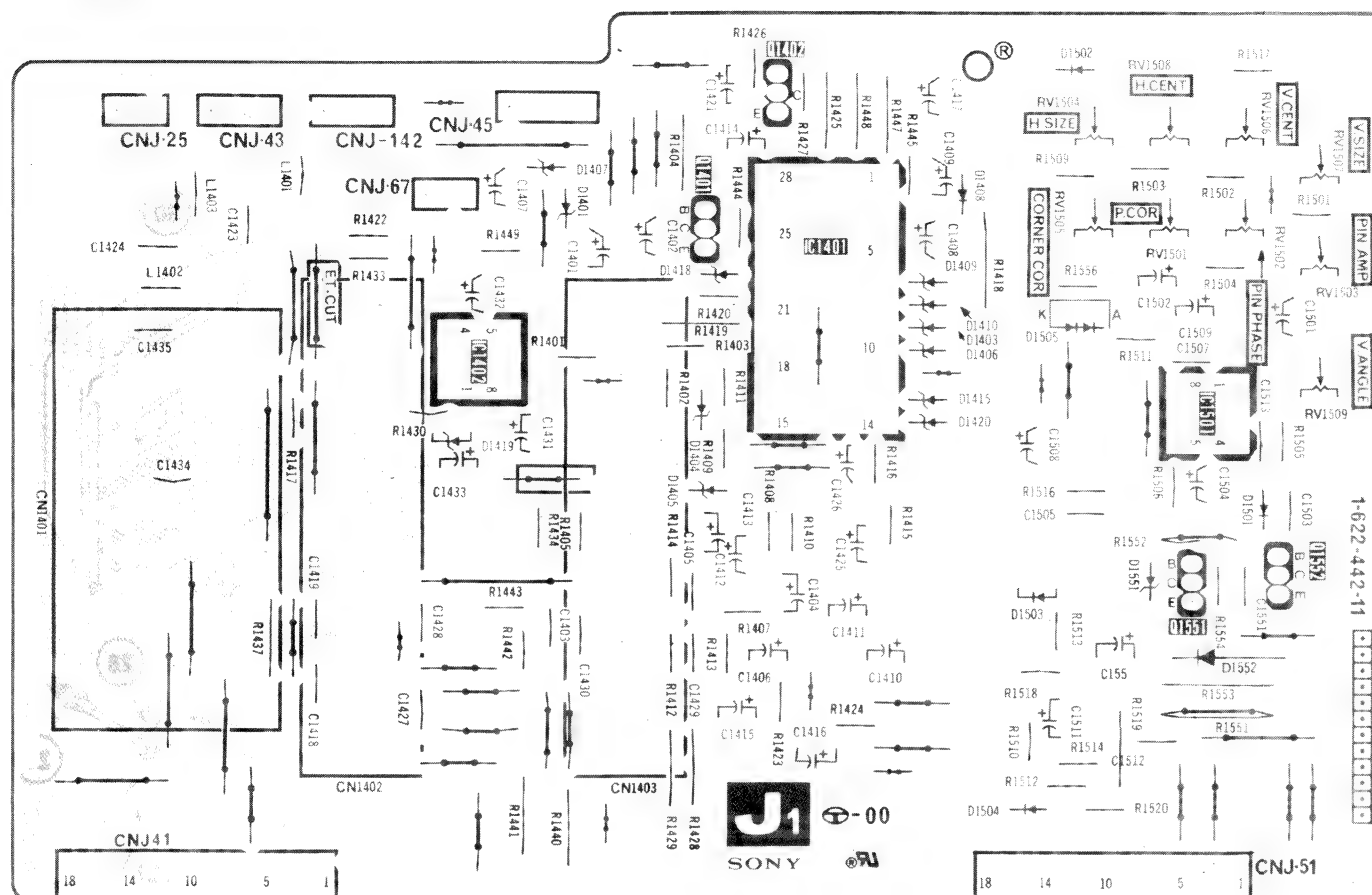
IC1401	BX1387	REMOCON RECEIVER
D1401	SR632D	A
1402	SR632D	B
1403	SR632D	SPACE SOUND
1404	SR632D	RESP
1405	TLR124	AFT

H5

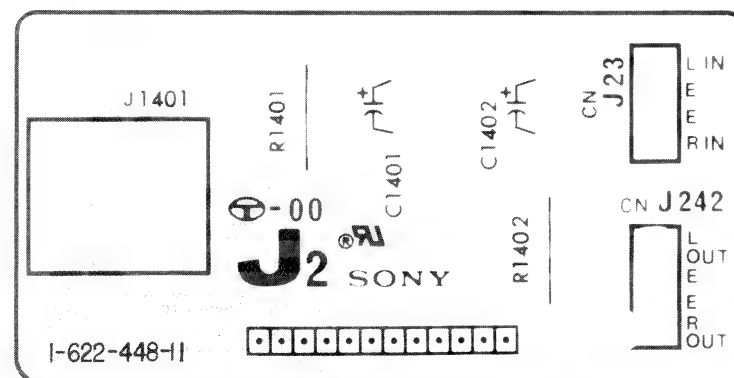
— J₁ Board —

– C Board –

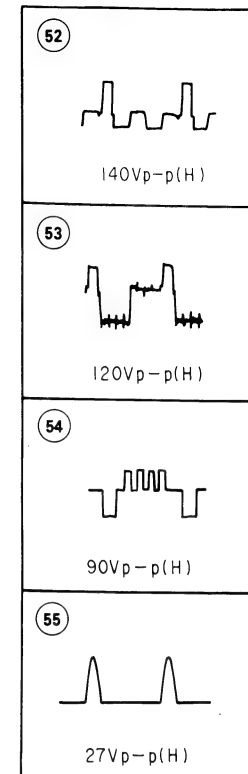
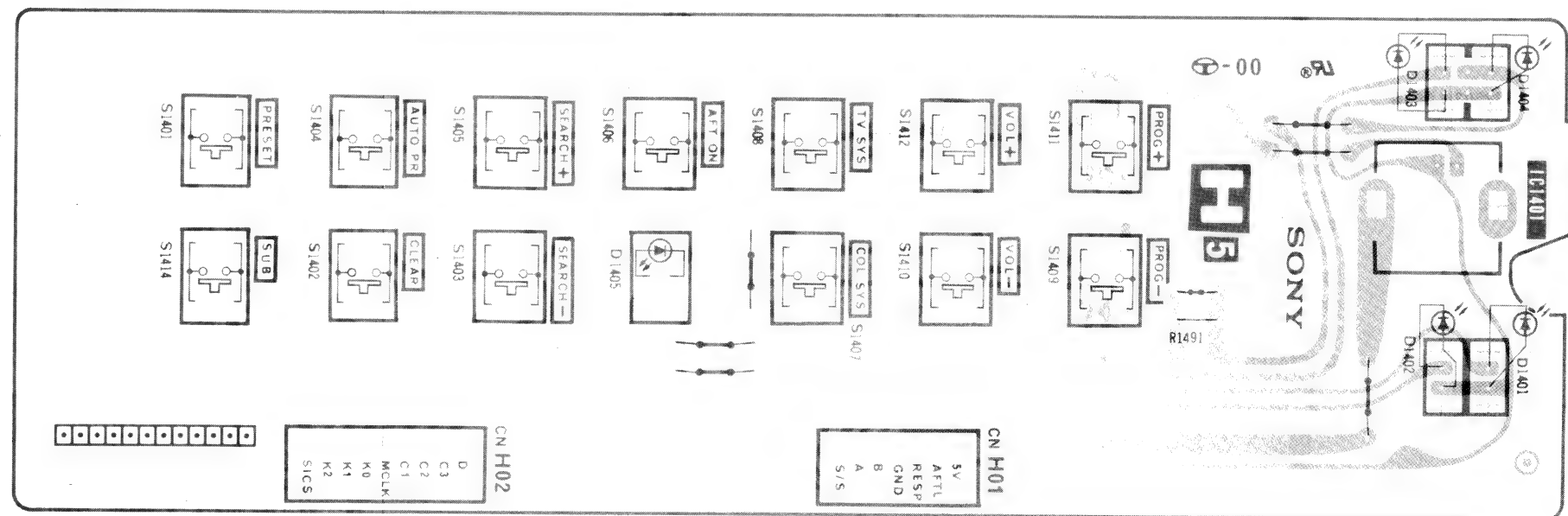
- **C BOARD WAVEFORM**



— J₂ Board —



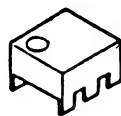
— H_5 Board —



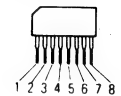
01	BX1387	REMOCON RECEIVER
01	SR632D	A
02	SR632D	B
03	SR632D	SPACE SOUND
04	SR632D	RESP
05	TLR124	AFT

5-6. SEMICONDUCTORS

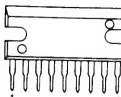
BX-1387



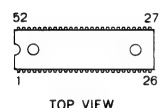
CX20061



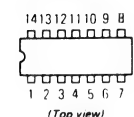
LA4280



M50436-614SP



M58655P



MAB8461P-W083

TDA4555

TDA4580

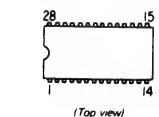
TDA6200

TDA6600

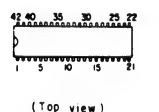
TEA2028A

SAA5231

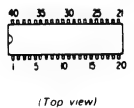
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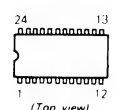
MB88503H-565G



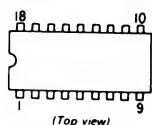
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TDA2556



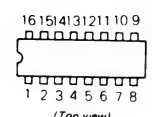
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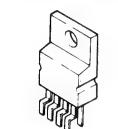
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TDA8442

TEA2162A

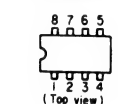


TDA8170

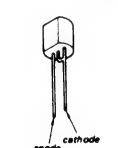


TBA129

TEA2031A



μPC574J

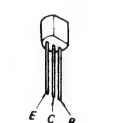


2SA933

2SA1091

JA101TP

JC501TP



2SA1048

2SA1115

2SC1740SRT

2SC2458

2SC2603

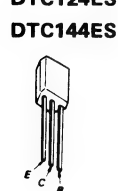
DTA124ES

DTA144ES

DTC114ES

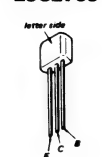
DTC124ES

DTC144ES



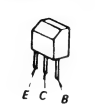
2SA1175

2SC2785



2SB734

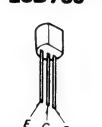
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2SB740

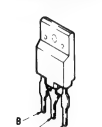
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2SD789



2SB1185

2SD1761

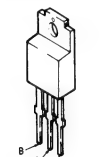


2SC2611

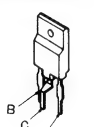
2SC2688



2SD1548



2SD1941



ISS119

ISS133

ISS148

HZS39NB4TD

RD3.6ES-B2

RD3.9ES-B1

RD4.7ES-B1

RD5.6ES-B2

RD6.2ES-B2

RD6.8ES-B2

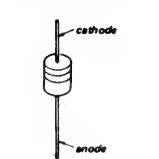
RD7.5ES-B3

RD9.1ES-B3

RD10ES-B3

RD15ES-B1

RD39ES-B4



IS1555

ISS168

ISS238

10E2

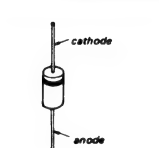
ES1F

ERD28-06S

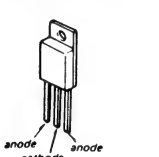
GP08DPKG23

RGP01-17PKG23

RGP10PKG23



CTU-12S

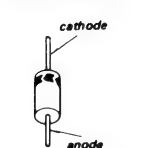


ERC06-15S

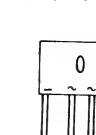
ERC24-06S

ERC25-06S

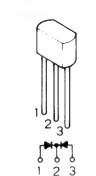
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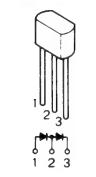
KBU-4J



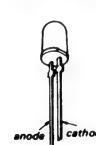
MC921



MC931



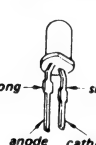
SE303AY



SR632D



TLR124




V19E

SECTION 6
EXPLODED VIEWS

NOTE:

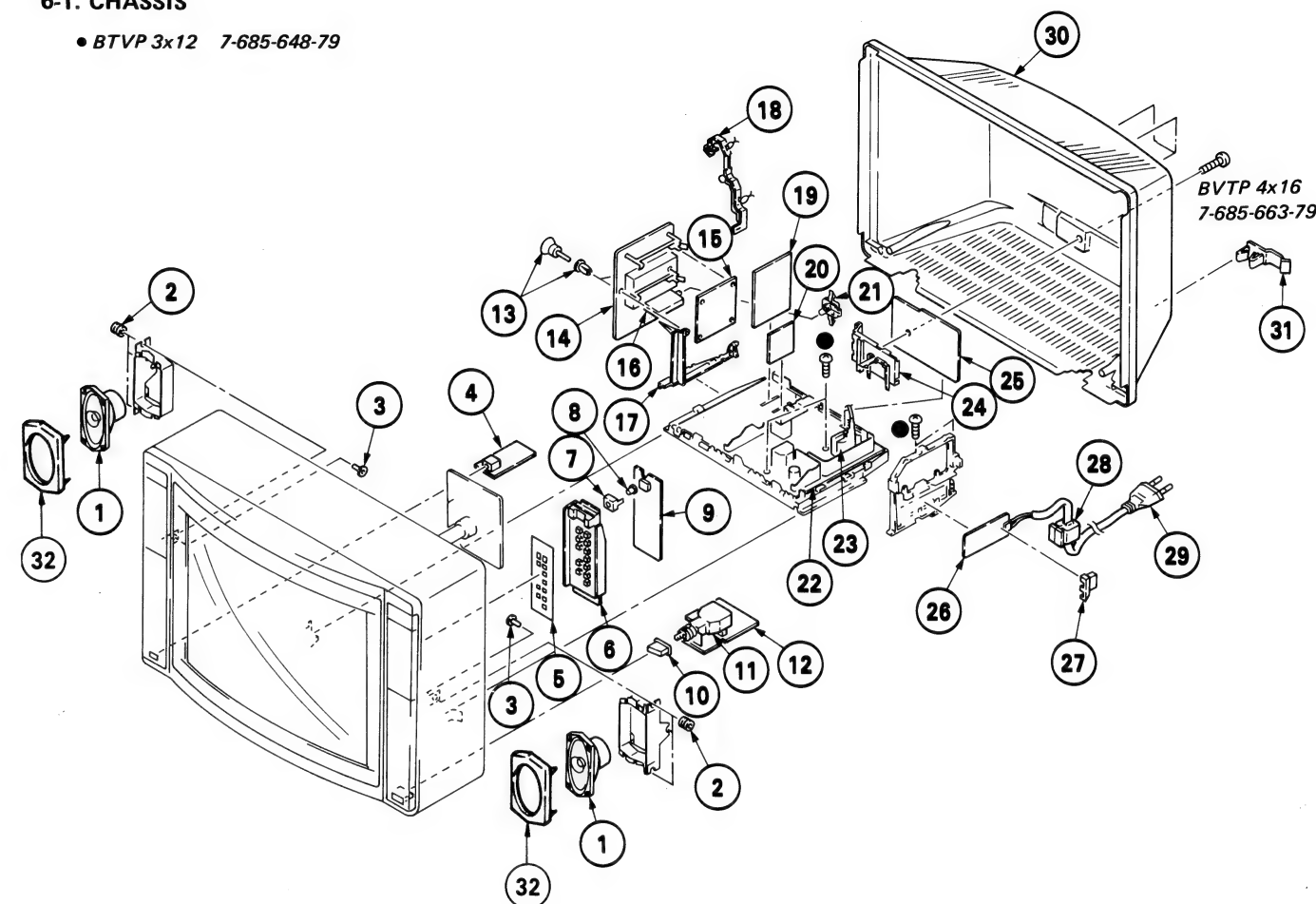
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

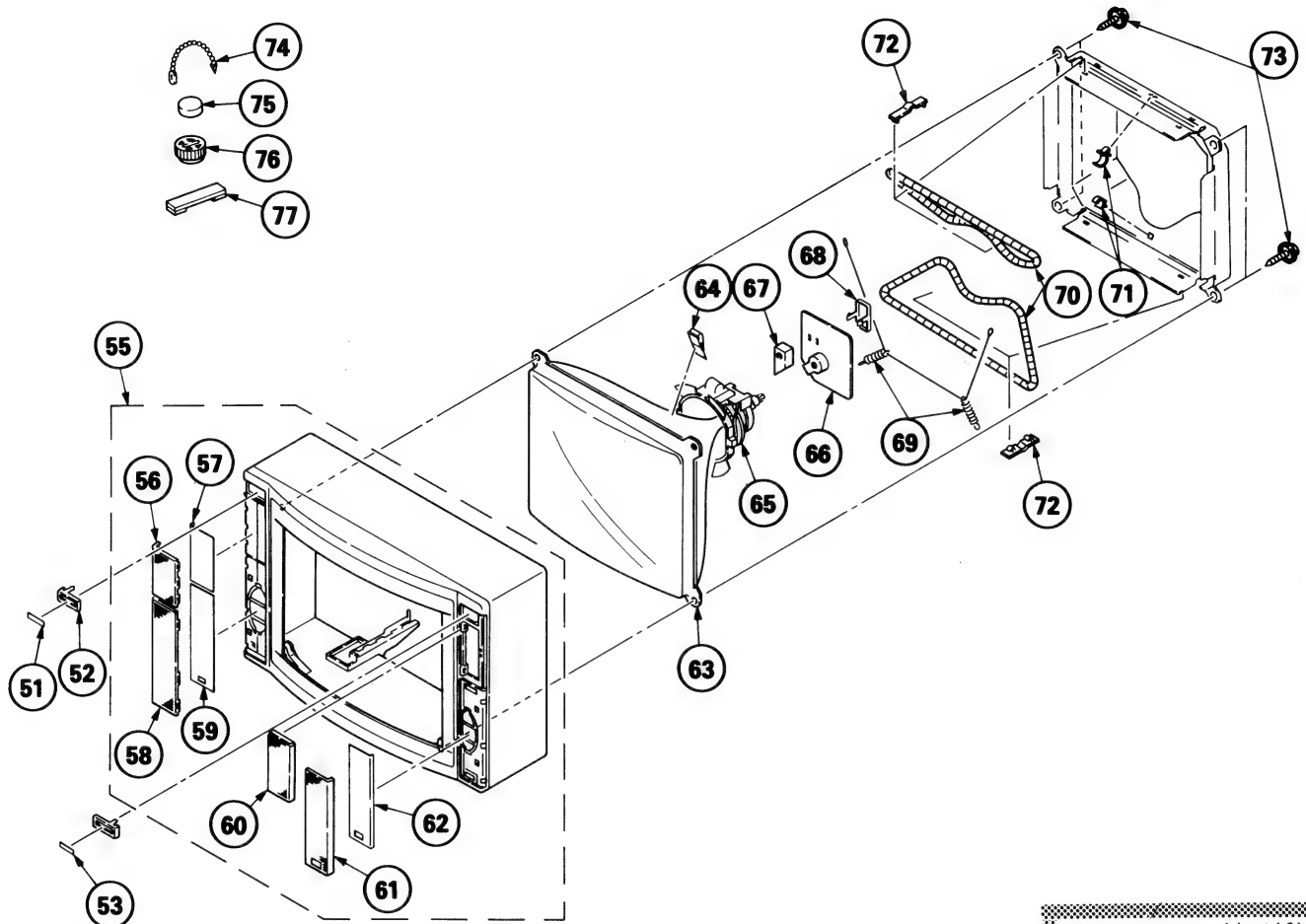
6-1. CHASSIS

• BTVP 3x12 7-685-648-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	1-503-642-11	SPEAKER		17	★4-386-629-01	BRACKET, A	
2	★4-381-536-01	RUBBER (B)		18	★4-386-628-01	SUPPORTER, PC BOARD	
3	4-373-234-01	CLIP		19	★A-1135-455-A	B BOARD, COMPLETE	
4	★1-622-448-11	J2 BOARD		20	★1-622-449-11	KS BOARD	
5	★4-385-917-01	LABEL, CONTROL		21	★4-386-617-01	HOLDER, TERMINAL	
6	★4-385-934-01	PANEL, CONTROL		22	★A-1345-720-A	D BOARD, COMPLETE	
7	★4-381-686-01	BRACKET (B), BAR, OPTICAL		23	★1-439-416-11	TRANSFORMER ASSY, FLYBACK	
8	★4-374-987-01	GUIDE, LIGHT		24	★4-386-624-01	BRACKET, J	
9	★1-622-534-11	H5 BOARD		25	★A-1371-335-A	J1 BOARD, COMPLETE	
10	4-385-919-01	BUTTON, POWER (KV-25XSD ONLY)		26	★1-622-446-11	F1 BOARD	
11	★1-554-762-51	SWITCH, PUSH (AC POWER) (1 KEY)		27	★4-386-620-01	COVER, POWER	
12	★1-622-447-11	F2 BOARD		28	★4-022-115-01	HOLDER, AC CORD	
13	4-386-618-01	RIVET, T TYPE		29	★1-559-346-11	CORD, POWER (WITH CONNECTOR)	
14	★A-1296-317-A	A BOARD, COMPLETE		30	4-385-932-01	COVER, REAR	
15	★A-1347-014-A	V BOARD, COMPLETE (KV-25XSTD ONLY)		31	4-329-127-00	CLAMP, CORD	
16	★1-463-881-11	TUNER, ET (UV-617)		32	★4-385-994-01	CUSHION, SPEAKER	

6-2. PICTURE TUBE




The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	4-385-911-01	WINDOW (A), ORNAMENTAL		62	*4-385-914-01	CUSHION (D)	
52	X-4385-901-1	PLATE (A) ASSY		63	Δ 8-733-224-05	PICTURE TUBE (A59JWC60X)	
53	X-4385-916-1	WINDOW (B) ASSY, ORNAMENTAL (KV-25XSD ONLY)		64	3-703-961-01	SPACER, DY	
	X-4385-916-2	WINDOW (B) ASSY, ORNAMENTAL (KV-25XSTD ONLY)		65	Δ 1-451-311-21	DEFLECTION YOKE (SY-178)	
55	X-4385-903-1	CABINET ASSY (FOR SILVER)	56-62	66	*A-1330-814-A	C BOARD, COMPLETE	
	X-4385-903-2	CABINET ASSY (FOR BLACK)	56-62	67	*4-379-167-01	COVER (MAIN), CV	
56	4-385-921-01	PLATE (A), ORNAMENTAL (FOR SILVER)		68	*4-379-160-01	COVER (REAR LID), CV	
	4-385-921-11	PLATE (A), ORNAMENTAL (FOR BLACK)		69	4-303-774-XX	SPRING	
57	*4-385-912-01	CUSHION (AB)		70	Δ 1-426-325-11	COIL, DEMAGNETIZATION	
58	4-385-923-01	PLATE (C), ORNAMENTAL (FOR SILVER)		71	*4-371-629-01	STOPPER, WIRE	
	4-385-923-11	PLATE (C), ORNAMENTAL (FOR BLACK)		72	*4-385-916-01	HOLDER (D)	
59	*4-385-913-01	CUSHION (C)		73	4-373-263-01	SCREW (M), PT	
60	X-4385-902-1	DOOR ASSY (FOR SILVER)		74	4-308-870-00	CLIP, LEAD WIRE	
	X-4385-902-2	DOOR ASSY (FOR BLACK)		75	1-452-032-00	MAGNET, DISK; 10MM ϕ	
61	4-385-924-01	PLATE (D), ORNAMENTAL (FOR SILVER)		76	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
	4-385-924-11	PLATE (D), ORNAMENTAL (FOR BLACK)		77	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	

B F2

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q316	8-729-178-54	TRANSISTOR 2SC2785		R352	1-247-891-00	CARBON 330K 5% 1/4W	
Q334	8-729-178-54	TRANSISTOR 2SC2785		R353	1-247-891-00	CARBON 330K 5% 1/4W	
Q335	8-729-178-54	TRANSISTOR 2SC2785		R356	1-249-427-11	CARBON 6.8K 5% 1/4W	
Q336	8-729-178-54	TRANSISTOR 2SC2785		R357	1-249-409-11	CARBON 220 5% 1/4W	
Q381	8-729-900-36	TRANSISTOR DTC124ES		R358	1-249-409-11	CARBON 220 5% 1/4W	
Q382	8-729-178-54	TRANSISTOR 2SC2785		R361	1-249-418-11	CARBON 1.2K 5% 1/4W	
Q1306	8-729-117-54	TRANSISTOR 2SA1175		R362	1-249-421-11	CARBON 2.2K 5% 1/4W	
<u>RESISTOR</u>				R363	1-249-418-11	CARBON 1.2K 5% 1/4W	
R301	1-249-409-11	CARBON 220 5% 1/4W		R367	1-249-409-11	CARBON 220 5% 1/4W	
R302	1-249-409-11	CARBON 220 5% 1/4W		R368	1-247-752-11	CARBON 1K 5% 1/2W	
R303	1-249-409-11	CARBON 220 5% 1/4W		R369	1-247-752-11	CARBON 1K 5% 1/2W	
R304	1-249-409-11	CARBON 220 5% 1/4W		R370	1-249-418-11	CARBON 1.2K 5% 1/4W	
R305	1-249-421-11	CARBON 2.2K 5% 1/4W		R371	1-249-417-11	CARBON 1K 5% 1/4W	
R307	1-249-441-11	CARBON 100K 5% 1/4W		R376	1-249-429-11	CARBON 10K 5% 1/4W	
R308	1-249-414-11	CARBON 560 5% 1/4W		R378	1-249-441-11	CARBON 100K 5% 1/4W	
R309	1-249-405-11	CARBON 100 5% 1/4W		R379	1-249-441-11	CARBON 100K 5% 1/4W	
R310	1-249-405-11	CARBON 100 5% 1/4W		R380	1-247-849-00	CARBON 5.6K 5% 1/4W	
R311	1-249-405-11	CARBON 100 5% 1/4W		R381	1-249-439-11	CARBON 68K 5% 1/4W	
R312	1-249-409-11	CARBON 220 5% 1/4W		R382	1-247-885-00	CARBON 180K 5% 1/4W	
R313	1-249-441-11	CARBON 100K 5% 1/4W		R383	1-215-483-00	CARBON 390K 5% 1/4W	
R314	1-249-413-11	CARBON 470 5% 1/4W		R385	1-249-435-11	CARBON 33K 5% 1/4W	
R315	1-249-407-11	CARBON 150 5% 1/4W		R389	1-247-883-00	CARBON 150K 5% 1/4W	
R316	1-249-407-11	CARBON 150 5% 1/4W		R391	1-247-805-00	CARBON 82 5% 1/4W	
R317	1-249-407-11	CARBON 150 5% 1/4W		R392	1-249-402-11	CARBON 56 5% 1/4W	
R318	1-249-429-11	CARBON 10K 5% 1/4W		R393	1-249-402-11	CARBON 56 5% 1/4W	
R319	1-249-409-11	CARBON 220 5% 1/4W		R394	1-249-402-11	CARBON 56 5% 1/4W	
R320	1-249-417-11	CARBON 1K 5% 1/4W		R398	1-249-433-11	CARBON 22K 5% 1/4W	
R321	1-249-421-11	CARBON 2.2K 5% 1/4W		R1324	1-249-419-11	CARBON 1.5K 5% 1/4W	
R322	1-249-420-11	CARBON 1.8K 5% 1/4W		<u>VARIABLE RESISTOR</u>			
R323	1-249-421-11	CARBON 2.2K 5% 1/4W		RV331	1-230-504-11	RES, ADJ, CARBON 220	
R324	1-247-849-00	CARBON 5.6K 5% 1/4W		<u>TRANSFORMER</u>			
R325	1-249-429-11	CARBON 10K 5% 1/4W		T331	1-404-584-11	COIL	
R326	1-249-419-11	CARBON 1.5K 5% 1/4W		<u>CRYSTAL</u>			
R327	1-249-427-11	CARBON 6.8K 5% 1/4W		X332	1-567-131-00	OSCILLATOR, CRYSTAL	
R328	1-249-397-11	CARBON 22 5% 1/4W		<u>YC MODULE</u>			
R329	1-249-397-11	CARBON 22 5% 1/4W		YCM301	1-235-753-21	YC MODULE	
R330	1-249-397-11	CARBON 22 5% 1/4W		*****			
R331	1-249-418-11	CARBON 1.2K 5% 1/4W		*1-622-447-11	F2 BOARD		
R332	1-249-401-11	CARBON 47 5% 1/4W		*****			
R333	1-249-412-11	CARBON 390 5% 1/4W		<u>CONNECTOR</u>			
R334	1-249-408-11	CARBON 180 5% 1/4W		CNF262*1-506-347-21	4P PLUG		
R335	1-249-417-11	CARBON 1K 5% 1/4W		<u>SWITCH</u>			
R336	1-249-420-11	CARBON 1.8K 5% 1/4W		S1701A	1-554-762-51	SWITCH, PUSH (AC POWER)(1 KEY)	
R337	1-215-438-00	CARBON 5.1K 5% 1/4W					
R338	1-249-429-11	CARBON 10K 5% 1/4W					
R344	1-249-437-11	CARBON 47K 5% 1/4W					
R346	1-249-419-11	CARBON 1.5K 5% 1/4W					
R347	1-249-429-11	CARBON 10K 5% 1/4W					
R348	1-249-437-11	CARBON 47K 5% 1/4W					
R349	1-249-415-11	CARBON 680 5% 1/4W					
R350	1-249-415-11	CARBON 680 5% 1/4W					
R351	1-249-410-11	CARBON 270 5% 1/4W					

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

SECTION 7

ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

- MF : μ F, PF : μ PF

RESISTORS

- All resistors are in ohms
- F : nonflammable

COILS

- MMH : mH, UH : μ H

When indicating parts by reference number, please include the board name.

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*A-1135-455-A	B BOARD, COMPLETE *****					
		<u>CAPACITOR</u>					
C301	1-110-179-81	MYLAR 0.22MF 10% 100V		C367	1-101-004-00	CERAMIC 0.01MF 50V	
C302	1-110-179-81	MYLAR 0.22MF 10% 100V		C368	1-101-880-00	CERAMIC 47PF 5% 50V	
C303	1-126-101-11	ELECT 100MF 20% 16V		C381	1-124-902-00	ELECT 0.47MF 20% 50V	
C304	1-110-179-81	MYLAR 0.22MF 10% 100V		C382	1-124-927-11	ELECT 4.7MF 20% 50V	
C305	1-124-119-00	ELECT 330MF 20% 16V		C384	1-124-477-11	ELECT 47MF 20% 16V	
C306	1-124-902-00	ELECT 0.47MF 20% 50V		C385	1-124-927-11	ELECT 4.7MF 20% 50V	
C307	1-124-902-00	ELECT 0.47MF 20% 50V		C387	1-124-902-00	ELECT 0.47MF 20% 50V	
C308	1-124-902-00	ELECT 0.47MF 20% 50V		C1311	1-101-884-00	CERAMIC 56PF 5% 50V	
C309	1-124-902-00	ELECT 0.47MF 20% 50V				<u>CONNECTOR</u>	
C310	1-110-175-81	MYLAR 0.1MF 10% 100V		CNB31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
C311	1-110-175-81	MYLAR 0.1MF 10% 100V		CNB72	*1-564-895-11	PLUG, CONNECTOR 6P	
C312	1-124-902-00	ELECT 0.47MF 20% 50V		CNB93	*1-560-278-00	PLUG, CONNECTOR 6P	
C313	1-124-902-00	ELECT 0.47MF 20% 50V				<u>TRIMMER</u>	
C314	1-124-902-00	ELECT 0.47MF 20% 50V		CT332	1-141-181-11	CAP, TRIMMER	
C315	1-124-499-11	ELECT 1MF 20% 50V				<u>DIODE</u>	
C319	1-124-477-11	ELECT 47MF 20% 16V		D301	8-719-911-19	DIODE 1SS119	
C321	1-102-980-00	CERAMIC 270PF 5% 50V		D302	8-719-911-19	DIODE 1SS119	
C322	1-101-888-00	CERAMIC 68PF 5% 50V		D303	8-719-911-19	DIODE 1SS119	
C325	1-124-477-11	ELECT 47MF 20% 16V		D304	8-719-911-19	DIODE 1SS119	
C326	1-101-004-00	CERAMIC 0.01MF 50V		D305	8-719-911-19	DIODE 1SS119	
C327	1-101-004-00	CERAMIC 0.01MF 50V		D307	8-719-110-23	DIODE RD11ES-B3	
C331	1-124-963-11	ELECT 33MF 20% 16V				<u>DELAY LINE</u>	
C332	1-124-119-00	ELECT 330MF 20% 16V		DL331	1-415-187-12	DELAY LINE	
C333	1-101-005-00	CERAMIC 0.022MF 50V				<u>IC</u>	
C334	1-101-884-00	CERAMIC 56PF 5% 50V		IC301	8-759-923-81	IC TDA4580	
C335	1-101-006-00	CERAMIC 0.047MF 50V		IC302	8-759-941-98	IC TDA8442	
C336	1-110-190-81	MYLAR 0.01MF 10% 400V		IC331	8-759-947-20	TDA4555-V8	
C337	1-101-004-00	CERAMIC 0.01MF 50V				<u>COIL</u>	
C338	1-101-888-00	CERAMIC 68PF 5% 50V		L301	1-410-868-21	MICRO INDUCTOR 4.7UH	
C339	1-102-735-00	CERAMIC 120PF 5% 50V		L302	1-410-868-21	MICRO INDUCTOR 4.7UH	
C340	1-102-513-00	CERAMIC 18PF 5% 50V		L303	1-410-469-21	MICRO INDUCTOR 8.2UH	
C341	1-102-978-00	CERAMIC 220PF 5% 50V		L304	1-410-470-11	MICRO INDUCTOR 10UH	
C342	1-102-513-00	CERAMIC 18PF 5% 50V		L331	1-410-469-21	MICRO INDUCTOR 8.2UH	
C343	1-102-735-00	CERAMIC 120PF 5% 50V		L332	1-404-539-11	COIL	
C344	1-101-888-00	CERAMIC 68PF 5% 50V		L333	1-404-554-11	COIL	
C345	1-102-978-00	CERAMIC 220PF 5% 50V		L334	1-404-554-11	COIL	
C346	1-102-074-00	CERAMIC 0.001MF 10% 50V		L335	1-404-554-11	COIL	
C347	1-124-499-11	ELECT 1MF 20% 50V		L339	1-410-868-21	MICRO INDUCTOR 4.7UH	
C349	1-136-173-00	FILM 0.47MF 5% 50V				<u>TRANSISTOR</u>	
C350	1-110-171-81	MYLAR 0.047MF 10% 100V		Q302	8-729-178-54	TRANSISTOR 2SC2785	
C352	1-110-182-81	MYLAR 0.022MF 10% 250V		Q303	8-729-178-54	TRANSISTOR 2SC2785	
C353	1-102-506-00	CERAMIC 7PF 0.5PF 50V		Q305	8-729-900-36	TRANSISTOR DTC124ES	
C354	1-102-074-00	CERAMIC 0.001MF 10% 50V		Q311	8-729-178-54	TRANSISTOR 2SC2785	
C355	1-102-679-00	CERAMIC 120PF 5% 50V		Q312	8-729-178-54	TRANSISTOR 2SC2785	
C360	1-101-004-00	CERAMIC 0.01MF 50V		Q313	8-729-178-54	TRANSISTOR 2SC2785	
C361	1-101-004-00	CERAMIC 0.01MF 50V					
C364	1-101-361-00	CERAMIC 150PF 5% 50V					
C365	1-124-477-11	ELECT 47MF 20% 16V					
C366	1-124-477-11	ELECT 47MF 20% 16V					

A

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C164	1-110-190-81	MYLAR	0.01MF 10%	400V	Q104	8-729-900-61	TRANSISTOR DTA114ES
C165	1-130-853-00	FILM	0.0047MF 5%	50V	Q105	8-729-178-54	TRANSISTOR 2SC2785
C167	1-124-499-11	ELECT	1MF 20%	50V	Q106	8-729-178-54	TRANSISTOR 2SC2785
C168	1-110-179-81	MYLAR	0.22MF 10%	100V	Q107	8-729-117-54	TRANSISTOR 2SA1175
C169	1-123-875-11	ELECT	10MF 20%	50V	Q108	8-729-900-65	TRANSISTOR DTA144ES
C170	1-101-004-00	CERAMIC	0.01MF	50V	Q109	8-729-900-89	TRANSISTOR DTC144ES
C171	1-101-004-00	CERAMIC	0.01MF	50V	Q110	8-729-117-54	TRANSISTOR 2SA1175
C174	1-124-499-11	ELECT	1MF 20%	50V	Q111	8-729-900-89	TRANSISTOR DTC144ES
C177	1-102-119-00	CERAMIC	0.0015MF 10%	50V	Q112	8-729-178-54	TRANSISTOR 2SC2785
					Q113	8-729-178-54	TRANSISTOR 2SC2785
<u>FILTER</u>				<u>RESISTOR</u>			
CD101	1-404-750-11	DISCRIMINATOR, CERAMIC		R101	1-249-405-11	CARBON	100 5% 1/4W
CD102	1-404-745-11	DISCRIMINATOR, CERAMIC		R102	1-249-423-11	CARBON	3.3K 5% 1/4W
CD103	1-404-746-11	DISCRIMINATOR, CERAMIC		R103	1-249-433-11	CARBON	22K 5% 1/4W
CF101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)		R104	1-249-429-11	CARBON	10K 5% 1/4W
CF103	1-527-840-00	FILTER, CERAMIC		R105	1-249-418-11	CARBON	1.2K 5% 1/4W
CF104	1-527-839-00	FILTER, CERAMIC		R106	1-247-891-00	CARBON	330K 5% 1/4W
CF105	1-527-839-00	FILTER, CERAMIC		R107	1-249-421-11	CARBON	2.2K 5% 1/4W
SWF101	1-404-717-11	FILTER, SURFACE WAVE		R108	1-249-421-11	CARBON	2.2K 5% 1/4W
				R109	1-249-423-11	CARBON	3.3K 5% 1/4W
				R110	1-249-412-11	CARBON	390 5% 1/4W
<u>CONNECTOR</u>							
CNA11	*1-566-660-11	CONNECTOR, HINGE (PLUG) 18P		R111	1-249-418-11	CARBON	1.2K 5% 1/4W
				R112	1-249-421-11	CARBON	2.2K 5% 1/4W
				R113	1-249-411-11	CARBON	330 5% 1/4W
				R114	1-249-413-11	CARBON	470 5% 1/4W
				R115	1-249-413-11	CARBON	470 5% 1/4W
<u>DIODE</u>							
D105	8-719-109-92	DIODE RD6.2ES-B1		R116	1-249-419-11	CARBON	1.5K 5% 1/4W
D106	8-719-911-19	DIODE 1SS119		R117	1-249-431-11	CARBON	15K 5% 1/4W
D108	8-719-000-06	DIODE MC921		R118	1-249-425-11	CARBON	4.7K 5% 1/4W
				R119	1-249-417-11	CARBON	1K 5% 1/4W
				R120	1-249-419-11	CARBON	1.5K 5% 1/4W
<u>IC</u>							
IC101	8-759-909-08	IC TDA3541		R121	1-249-429-11	CARBON	10K 5% 1/4W
IC102	8-759-941-96	IC TDA2556		R122	1-249-436-11	CARBON	39K 5% 1/4W
IC103	8-759-013-18	IC TDA6600		R123	1-249-417-11	CARBON	1K 5% 1/4W
IC104	8-759-941-81	IC TDA2595-V6		R124	1-249-423-11	CARBON	3.3K 5% 1/4W
IC105	8-759-003-90	IC TBA129		R125	1-249-429-11	CARBON	10K 5% 1/4W
<u>COIL</u>							
L101	1-408-226-00	MICRO INDUCTOR 82UH		R126	1-249-436-11	CARBON	39K 5% 1/4W
L102	1-410-116-11	MICRO INDUCTOR 560UH		R127	1-249-432-11	CARBON	18K 5% 1/4W
L103	1-410-467-21	MICRO INDUCTOR 5.6UH		R128	1-249-432-11	CARBON	18K 5% 1/4W
L104	1-408-411-00	MICRO INDUCTOR 15UH		R129	1-249-429-11	CARBON	10K 5% 1/4W
L105	1-410-482-31	MICRO INDUCTOR 100UH		R130	1-249-429-11	CARBON	10K 5% 1/4W
L106	1-410-476-11	MICRO INDUCTOR 33UH		R132	1-249-414-11	CARBON	560 5% 1/4W
L107	1-410-467-21	MICRO INDUCTOR 5.6UH		R133	1-249-424-11	CARBON	3.9K 5% 1/4W
L108	1-410-473-11	MICRO INDUCTOR 18UH		R134	1-249-414-11	CARBON	560 5% 1/4W
L109	1-410-473-11	MICRO INDUCTOR 18UH		R135	1-249-423-11	CARBON	3.3K 5% 1/4W
L110	1-410-064-11	MICRO INDUCTOR 2.7MMH		R136	1-249-414-11	CARBON	560 5% 1/4W
L111	1-410-482-31	MICRO INDUCTOR 100UH		R137	1-249-414-11	CARBON	560 5% 1/4W
L112	1-410-471-11	MICRO INDUCTOR 12UH		R138	1-249-423-11	CARBON	3.3K 5% 1/4W
L113	1-410-460-11	MICRO INDUCTOR 1.5UH		R140	1-249-441-11	CARBON	100K 5% 1/4W
				R141	1-249-424-11	CARBON	3.9K 5% 1/4W
				R142	1-249-441-11	CARBON	100K 5% 1/4W
<u>TRANSISTOR</u>							
Q101	8-729-900-61	TRANSISTOR DTA114ES		R143	1-249-441-11	CARBON	100K 5% 1/4W
Q102	8-729-900-61	TRANSISTOR DTA114ES					

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

KV-25XSD/25XSTD

RM-673



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R715	1-202-824-00	SOL ID	3.3K 10% 1/2W	C019	1-110-171-81	MYLAR	0.047MF 10% 100V
R716	1-249-409-11	CARBON	220 5% 1/4W	C021	1-102-973-00	CERAMIC	100PF 5% 50V
R717	1-249-415-11	CARBON	680 5% 1/4W	C022	1-124-477-11	ELECT	47MF 20% 16V
R718	1-202-814-11	SOL ID	33K 10% 1/2W	C024	1-124-499-11	ELECT	1MF 20% 50V
R719	1-249-401-11	CARBON	47 5% 1/4W	C025	1-102-125-00	CERAMIC	0.0047MF 10% 50V
R720	1-249-423-11	CARBON	3.3K 5% 1/4W	C026	1-102-125-00	CERAMIC	0.0047MF 10% 50V
R721	1-202-842-11	SOL ID	220K 10% 1/2W	C027	1-110-175-81	MYLAR	0.1MF 10% 100V
R722	1-202-848-00	SOL ID	680K 10% 1/2W	C028	1-101-361-00	CERAMIC	150PF 5% 50V
R723	1-249-417-11	CARBON	1K 5% 1/4W	C029	1-102-121-00	CERAMIC	0.0022MF 10% 50V
R724	1-202-846-00	SOL ID	470K 10% 1/2W	C251	1-124-927-11	ELECT	4.7MF 20% 50V
R725	1-202-838-00	SOL ID	100K 10% 1/2W	C252	1-124-927-11	ELECT	4.7MF 20% 50V
R726	1-202-824-00	SOL ID	3.3K 10% 1/2W	C253	1-124-122-11	ELECT	100MF 20% 50V
R727	1-249-409-11	CARBON	220 5% 1/4W	C254	1-124-927-11	ELECT	4.7MF 20% 50V
R728	1-216-347-11	METAL OXIDE	0.68 5% 1W F	C255	1-124-927-11	ELECT	4.7MF 20% 50V
R729	1-249-416-11	CARBON	820 5% 1/4W	C256	1-110-175-81	MYLAR	0.1MF 10% 100V
R730	1-249-401-11	CARBON	47 5% 1/4W	C257	1-101-004-00	CERAMIC	0.01MF 50V
R731	1-249-423-11	CARBON	3.3K 5% 1/4W	C258	1-110-175-81	MYLAR	0.1MF 10% 100V
R732	1-249-415-11	CARBON	680 5% 1/4W	C260	1-110-175-81	MYLAR	0.1MF 10% 100V
R733	1-249-415-11	CARBON	680 5% 1/4W	C265	1-102-074-00	CERAMIC	0.001MF 10% 50V
R734	1-249-405-11	CARBON	100 5% 1/4W	C266	1-102-074-00	CERAMIC	0.001MF 10% 50V
R735	1-215-493-00	METAL	1M 1% 1/6W	C401	1-124-477-11	ELECT	47MF 20% 16V
R736	1-216-486-00	METAL OXIDE	8.2K 5% 3W F	C403	1-124-477-11	ELECT	47MF 20% 16V
R737	1-215-481-00	METAL	330K 1% 1/6W	C501	1-124-927-11	ELECT	4.7MF 20% 50V
R739	1-249-417-11	CARBON	1K 5% 1/4W	C502	1-124-927-11	ELECT	4.7MF 20% 50V
VARIABLE RESISTOR				C503	1-110-192-81	MYLAR	0.015MF 10% 400V
RV701	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M		C504	1-101-361-00	CERAMIC	150PF 5% 50V
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M		C505	1-108-794-91	MYLAR	0.0015MF 5% 50V
RV703	1-237-749-11	RES, ADJ, CARBON 2200		C506	1-110-182-81	MYLAR	0.022MF 10% 250V
RV704	1-237-749-11	RES, ADJ, CARBON 2200		C507	1-110-327-81	MYLAR	0.33MF 10% 100V
*****				C508	1-110-182-81	MYLAR	0.022MF 10% 250V
*A-1345-720-A D BOARD, COMPLETE				C509	1-110-175-81	MYLAR	0.1MF 10% 100V
*****				C510	1-161-959-00	CERAMIC	22PF 10% 500V
CAPACITOR				C511	1-108-620-91	MYLAR	0.0033MF 10% 100V
C001	1-102-973-00	CERAMIC	100PF 5% 50V	C512	1-110-175-81	MYLAR	0.1MF 10% 100V
C002	1-102-116-00	CERAMIC	680PF 10% 50V	C513	1-108-614-91	MYLAR	0.001MF 10% 100V
C003	1-110-175-81	MYLAR	0.1MF 10% 100V	C514	1-110-179-81	MYLAR	0.22MF 10% 100V
C004	1-123-875-11	ELECT	10MF 20% 50V	C515	1-124-499-11	ELECT	1MF 20% 50V
C005	1-102-074-00	CERAMIC	0.001MF 10% 50V	C516	1-108-614-91	MYLAR	0.001MF 10% 100V
C007	1-110-171-81	MYLAR	0.047MF 10% 100V	C517	1-124-252-00	ELECT	0.33MF 20% 50V
C008	1-101-880-00	CERAMIC	47PF 5% 50V	C518	1-124-902-00	ELECT	0.47MF 20% 50V
C009	1-101-884-00	CERAMIC	56PF 5% 50V	C519	1-136-173-00	FILM	0.47MF 5% 50V
C010	1-126-101-11	ELECT	100MF 20% 16V	C520	1-102-121-00	CERAMIC	0.0022MF 10% 50V
C011	1-101-004-00	CERAMIC	0.01MF 50V	C521	1-110-175-81	MYLAR	0.1MF 10% 100V
C012	1-126-101-11	ELECT	100MF 20% 16V	C522	1-124-122-11	ELECT	100MF 20% 50V
C013	1-101-004-00	CERAMIC	0.01MF 50V	C523	1-108-614-91	MYLAR	0.001MF 10% 100V
C014	1-124-463-00	ELECT	0.1MF 20% 50V	C524	1-106-184-00	MYLAR	0.0033MF 5% 50V
C015	1-126-101-11	ELECT	100MF 20% 16V	C525	1-102-973-00	CERAMIC	100PF 5% 50V
C016	1-101-004-00	CERAMIC	0.01MF 50V	C527	1-110-175-81	MYLAR	0.1MF 10% 100V
C017	1-123-875-11	ELECT	10MF 20% 50V	C531	1-124-117-00	ELECT	680MF 10% 25V
C018	1-102-980-00	CERAMIC	270PF 5% 50V	C532	1-124-122-11	ELECT	100MF 20% 50V
				C533	1-110-173-81	MYLAR	0.068MF 10% 100V
				C534	1-124-120-11	ELECT	220MF 20% 16V
				C536	1-131-365-00	TANTALUM	10MF 10% 16V

A C

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R144	1-249-422-11	CARBON	2.7K 5% 1/4W	C716	1-162-583-11	CERAMIC 330PF 10% 400V	
R145	1-249-417-11	CARBON	1K 5% 1/4W	C717	1-102-114-00	CERAMIC 470PF 10% 50V	
R146	1-249-422-11	CARBON	2.7K 5% 1/4W	C718	1-102-114-00	CERAMIC 470PF 10% 50V	
R147	1-249-417-11	CARBON	1K 5% 1/4W	C719	1-102-114-00	CERAMIC 470PF 10% 50V	
R148	1-249-413-11	CARBON	470 5% 1/4W				
R150	1-249-423-11	CARBON	3.3K 5% 1/4W			CONNECTOR	
R151	1-249-423-11	CARBON	3.3K 5% 1/4W	CNC71	*1-506-371-00	2P PLUG (L)	
R152	1-249-431-11	CARBON	15K 5% 1/4W	CNC72	*1-564-883-11	PLUG, CONNECTOR 6P	
R153	1-249-416-11	CARBON	820 5% 1/4W	CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)	
R154	1-249-441-11	CARBON	100K 5% 1/4W	CNC82	*1-508-765-00	3P PLUG (M)	
R155	1-249-430-11	CARBON	12K 5% 1/4W			DIODE	
R156	1-247-881-00	CARBON	120K 5% 1/4W	D701	8-719-110-14	DIODE RD9.1ES-B3	
R160	1-249-417-11	CARBON	1K 5% 1/4W	D702	8-719-911-19	DIODE 1SS119	
R162	1-249-415-11	CARBON	680 5% 1/4W	D703	8-719-911-19	DIODE 1SS119	
R163	1-249-422-11	CARBON	2.7K 5% 1/4W	D704	8-719-911-19	DIODE 1SS119	
R165	1-249-423-11	CARBON	3.3K 5% 1/4W	D705	8-719-911-19	DIODE 1SS119	
R166	1-249-437-11	CARBON	47K 5% 1/4W	D706	8-719-911-19	DIODE 1SS119	
R172	1-249-417-11	CARBON	1K 5% 1/4W	D707	8-719-911-19	DIODE 1SS119	
R173	1-249-414-11	CARBON	560 5% 1/4W	D708	8-719-911-19	DIODE 1SS119	
		VARIABLE RESISTOR		D709	8-719-911-19	DIODE 1SS119	
RV101	1-237-753-11	RES, ADJ, CARBON 47K		D710	8-719-911-19	DIODE 1SS119	
RV102	1-237-751-11	RES, ADJ, CARBON 10K		D711	8-719-924-06	DIODE ERC24-06S	
RV103	1-237-753-11	RES, ADJ, CARBON 47K		D713	8-719-911-19	DIODE 1SS119	
		TRANSFORMER				JACK	
T101	1-404-493-00	COIL		J701	1-526-798-21	SOCKET, CRT	
T102	1-404-493-00	COIL				COIL	
T103	1-404-493-00	COIL		L704	1-410-878-21	MICRO INDUCTOR 33UH	
		TUNER				TRANSISTOR	
TU101A	1-463-881-11	TUNER, ET (UV-617)		Q702	8-729-178-54	TRANSISTOR 2SC2785	
*****				Q703	8-729-326-11	TRANSISTOR 2SC2611	
	*A-1330-814-A	C BOARD, COMPLETE		Q704	8-729-200-17	TRANSISTOR 2SA1091	
		*****		Q705	8-729-178-54	TRANSISTOR 2SC2785	
	*4-379-160-01	COVER (REAR LID), CV		Q706	8-729-326-11	TRANSISTOR 2SC2611	
	*4-379-167-01	COVER (MAIN), CV		Q707	8-729-200-17	TRANSISTOR 2SA1091	
	*4-386-664-01	SPRING		Q708	8-729-178-54	TRANSISTOR 2SC2785	
		CAPACITOR		Q709	8-729-326-11	TRANSISTOR 2SC2611	
C703	1-102-980-00	CERAMIC	270PF 5% 50V	Q710	8-729-200-17	TRANSISTOR 2SA1091	
C704	1-102-116-00	CERAMIC	680PF 10% 50V			RESISTOR	
C705	1-102-978-00	CERAMIC	220PF 5% 50V	R704	1-216-486-00	METAL OXIDE 8.2K 5% 3W F	
C706	1-102-116-00	CERAMIC	680PF 10% 50V	R705	1-202-824-00	SOLID 3.3K 10% 1/2W	
C707	1-162-116-00	CERAMIC	680PF 10% 2KV	R706	1-249-409-11	CARBON 220 5% 1/4W	
C708	1-162-114-00	CERAMIC	0.0047MF 2KV	R707	1-249-412-11	CARBON 390 5% 1/4W	
C709	1-102-116-00	CERAMIC	680PF 10% 50V	R708	1-249-401-11	CARBON 47 5% 1/4W	
C710	1-123-947-00	ELECT	10MF 20% 250V	R709	1-202-844-00	SOLID 330K 10% 1/2W	
C711	1-101-880-00	CERAMIC	47PF 5% 50V	R710	1-215-465-00	METAL 68K 1% 1/6W	
C712	1-102-980-00	CERAMIC	270PF 5% 50V	R712	1-249-417-11	CARBON 1K 5% 1/4W	
C714	1-124-555-00	ELECT	1000MF 20% 16V	R713	1-215-471-00	METAL 120K 1% 1/6W	
				R714	1-216-486-00	METAL OXIDE 8.2K 5% 3W F	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C537	1-124-499-11	ELECT	1MF 20% 50V	C822	1-102-114-00	CERAMIC 470PF 10% 50V	
C538	1-108-614-91	MYLAR	0.001MF 10% 100V	C823	1-110-186-81	MYLAR 0.0047MF 10% 400V	
C539	1-102-820-00	CERAMIC	330PF 5% 50V	C824	1-102-212-00	CERAMIC 820PF 10% 500V	
C591	1-123-875-11	ELECT	10MF 20% 50V	C825	1-110-182-81	MYLAR 0.022MF 10% 250V	
C592	1-124-477-11	ELECT	47MF 20% 16V	C826	1-123-875-11	ELECT 10MF 20% 50V	
C593	1-102-820-00	CERAMIC	330PF 5% 50V	<u>FILTER</u>			
C601	1-161-964-00	CERAMIC	0.0047MF 250V	CF001	1-567-686-11	OSCILLATOR, CERAMIC	
C602	1-161-964-00	CERAMIC	0.0047MF 250V	CF501	1-567-888-11	OSCILLATOR, CERAMIC	
C603	1-161-964-00	CERAMIC	0.0047MF 250V	<u>CONNECTOR</u>			
C604	1-125-318-00	ELECT(BLOCK)	220MF 20% 400V	CN801	*1-508-765-00	3P PLUG (M)	
C605	1-124-122-11	ELECT	100MF 20% 50V	CND01	*1-564-884-11	PLUG, CONNECTOR 7P	
C606	1-110-175-81	MYLAR	0.1MF 10% 100V	CND02	*1-564-886-11	PLUG, CONNECTOR 9P	
C607	1-130-019-00	FILM	0.0012MF 5% 50V	CND11	*1-566-659-11	CONNECTOR, HINGE (SOCKET) 18P	
C608	1-123-875-11	ELECT	10MF 20% 50V	CND12	*1-564-880-31	PLUG, CONNECTOR 3P	
C611	1-124-122-11	ELECT	100MF 20% 50V	CND21	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P	
C612	1-162-115-00	CERAMIC	330PF 10% 2KV	CND23	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)	
C613	1-136-088-00	FILM	0.0022MF 3% 2KV	CND31	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P	
C614	1-102-030-00	CERAMIC	330PF 10% 500V	CND41	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
C615	1-124-557-11	ELECT	1000MF 20% 25V	CND51	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
C616	1-102-030-00	CERAMIC	330PF 10% 500V	CND64	*1-506-348-XX	3P PLUG (L)	
C618	1-124-637-11	ELECT	1000MF 20% 50V	CND82	*1-508-765-00	3P PLUG (M)	
C619	1-124-556-11	ELECT	2200MF 20% 16V	CND83	*1-508-786-00	2P PLUG (M)	
C620	1-102-074-00	CERAMIC	0.001MF 10% 50V	CND84	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P	
C621	1-124-347-00	ELECT	100MF 20% 160V	CND91	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
C622	1-124-556-11	ELECT	2200MF 20% 16V	CND92	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
C623	1-124-910-11	ELECT	47MF 20% 50V	CND94	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)	
C624	1-124-122-11	ELECT	100MF 20% 50V	<u>DIODE</u>			
C625	1-124-555-00	ELECT	1000MF 20% 16V	D001	8-719-911-19	DIODE 1SS119	
C626	1-123-875-11	ELECT	10MF 20% 50V	D002	8-719-911-19	DIODE 1SS119	
C627	1-102-074-00	CERAMIC	0.001MF 10% 50V	D003	8-719-911-19	DIODE 1SS119	
C628	1-124-555-00	ELECT	1000MF 20% 16V	D004	8-719-911-19	DIODE 1SS119	
C628A	1-126-101-11	ELECT	100MF 20% 16V	D005	8-719-109-71	DIODE RD3.9ES-B1	
C631	1-124-927-11	ELECT	4.7MF 20% 50V	D007	8-719-109-89	DIODE RD5.6ES-B2	
C632	1-102-074-00	CERAMIC	0.001MF 10% 50V	D008	8-719-110-90	DIODE RD39ES-B4	
C633	1-124-927-11	ELECT	4.7MF 20% 50V	D009	8-719-109-89	DIODE RD5.6ES-B2	
C636	1-123-258-91	ELECT	3.3MF 20% 50V	D011	8-719-911-19	DIODE 1SS119	
C801	1-126-105-11	ELECT	1000MF 20% 35V	D254	8-719-110-14	DIODE RD9.1ES-B3	
C802	1-102-030-00	CERAMIC	330PF 10% 500V	D501	8-719-911-19	DIODE 1SS119	
C804	1-123-948-00	ELECT	22MF 20% 250V	D504	8-719-911-55	DIODE U05G	
C805	1-162-114-00	CERAMIC	0.0047MF 2KV	D506	8-719-000-12	DIODE MC931	
C806	1-110-175-81	MYLAR	0.1MF 10% 100V	D508	8-719-911-19	DIODE 1SS119	
C807	1-106-395-00	MYLAR	0.15MF 10% 200V	D509	8-719-911-19	DIODE 1SS119	
C810	1-123-024-00	ELECT	33MF 160V	D511	8-719-911-55	DIODE U05G	
C811	1-136-117-00	FILM	2MF 5% 200V	D512	8-719-911-55	DIODE U05G	
C812	1-123-943-00	ELECT	1MF 20% 250V	D513	8-719-109-81	DIODE RD4.7ES-B2	
C813	1-102-212-00	CERAMIC	820PF 10% 500V	D591	8-719-911-19	DIODE 1SS119	
C814	1-161-731-00	CERAMIC	0.001MF 10% 2KV	D592	8-719-911-19	DIODE 1SS119	
C815	1-136-116-00	FILM	1MF 5% 200V	D593	8-719-911-19	DIODE 1SS119	
C817	1-136-565-11	FILM	0.015MF 3% 1.4KV	D601	8-719-946-90	DIODE KBU4JL-6088	
C818	1-129-721-00	FILM	0.039MF 10% 630V				
C819	A.1-161-731-11	CERAMIC	0.001MF 10% 2KV				
C820	1-110-189-81	MYLAR	0.0082MF 10% 400V				
C821	A.1-162-116-51	CERAMIC	680PF 10% 2KV				

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D

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KV-25XSD/25XSTD

RM-673

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R511	1-249-429-11	CARBON	10K 5% 1/4W	R595	1-249-417-11	CARBON	1K 5% 1/4W
R512	1-247-891-00	CARBON	330K 5% 1/4W	R596	1-249-425-11	CARBON	4.7K 5% 1/4W
R513	1-249-429-11	CARBON	10K 5% 1/4W	R597	1-249-425-11	CARBON	4.7K 5% 1/4W
R514	1-249-409-11	CARBON	220 5% 1/4W	R598	1-249-405-11	CARBON	100 5% 1/4W
R515	1-249-423-11	CARBON	3.3K 5% 1/4W	R599	1-249-405-11	CARBON	100 5% 1/4W
R516	1-249-408-11	CARBON	180 5% 1/4W	R602	1-215-901-00	METAL OXIDE	33K 5% 2W F
R517	1-249-429-11	CARBON	10K 5% 1/4W	R603	1-216-359-00	METAL OXIDE	6.8 5% 1W F
R518	1-249-437-11	CARBON	47K 5% 1/4W	R604	1-249-414-11	CARBON	560 5% 1/4W
R519	1-249-433-11	CARBON	22K 5% 1/4W	R605	1-215-469-00	METAL	100K 1% 1/6W
R520	1-249-411-11	CARBON	330 5% 1/4W	R606	1-215-440-00	CARBON	6.2K 5% 1/4W
R521	1-249-405-11	CARBON	100 5% 1/4W	R607	1-249-434-11	CARBON	27K 5% 1/4W
R522	1-215-469-00	METAL	100K 1% 1/6W	R608	1-215-901-00	METAL OXIDE	33K 5% 2W F
R523	1-249-417-11	CARBON	1K 5% 1/4W	R609	1-249-401-11	CARBON	47 5% 1/4W
R524	1-249-421-11	CARBON	2.2K 5% 1/4W	R610	1-249-385-11	CARBON	2.2 5% 1/4W F
R525	1-249-417-11	CARBON	1K 5% 1/4W	R611	1-249-385-11	CARBON	2.2 5% 1/4W F
R526	1-249-409-11	CARBON	220 5% 1/4W F	R612	1-217-193-00	WIREWOUND	0.27 10% 2W F
R527	1-249-431-11	CARBON	15K 5% 1/4W	R613	1-249-401-11	CARBON	47 5% 1/4W
R528	1-249-408-11	CARBON	180 5% 1/4W	R614	1-205-919-11	CEMENTED	220 10% 10W F
R529	1-249-427-11	CARBON	6.8K 5% 1/4W	R616	1-249-417-11	CARBON	1K 5% 1/4W
R530	1-249-448-11	CARBON	1.2 5% 1/4W F	R617	1-249-411-11	CARBON	330 5% 1/4W
R531	1-247-881-00	CARBON	120K 5% 1/4W	R618	1-218-022-51	METAL OXIDE	560 5% 1W
R532	1-249-417-11	CARBON	1K 5% 1/4W	R619	1-249-429-11	CARBON	10K 5% 1/4W
R533	1-215-491-00	CARBON	820K 5% 1/4W	R620	1-249-433-11	CARBON	22K 5% 1/4W
R535	1-249-753-85	CARBON	4.7M 5% 1/4W	R621	1-249-431-11	CARBON	15K 5% 1/4W
R536	1-249-749-00	CARBON	2.2M 5% 1/4W	R622	1-249-429-11	CARBON	10K 5% 1/4W
R537	1-249-434-11	CARBON	27K 5% 1/4W	R623	1-249-377-11	CARBON	0.47 5% 1/4W F
R538	1-215-479-00	CARBON	270K 5% 1/4W	R624	1-249-411-11	CARBON	330 5% 1/4W
R539	1-247-883-00	CARBON	150K 5% 1/4W	R625	1-218-017-51	METAL OXIDE	220 5% 1W
R540	1-249-399-11	CARBON	33 5% 1/4W	R626	1-249-411-11	CARBON	330 5% 1/4W
R541	1-249-438-11	CARBON	56K 5% 1/4W	R627	1-218-019-51	METAL OXIDE	330 5% 1W
R542	1-249-429-11	CARBON	10K 5% 1/4W	R628	1-249-393-11	CARBON	10 5% 1/4W
R543	1-215-088-00	METAL	2.2 5% 1/4W	R629	1-249-411-11	CARBON	330 5% 1/4W
R544	1-247-745-11	CARBON	330 5% 1/2W	R630	1-249-437-11	CARBON	47K 5% 1/4W
R545	1-249-433-11	CARBON	22K 5% 1/4W	R633	1-249-405-11	CARBON	100 5% 1/4W
R546	1-249-434-11	CARBON	27K 5% 1/4W	R634	1-218-020-51	METAL OXIDE	390 5% 1W
R547	1-249-423-11	CARBON	3.3K 5% 1/4W	R635	1-249-429-11	CARBON	10K 5% 1/4W
R548	1-216-349-00	METAL OXIDE	1 5% 1W F	R636	1-249-429-11	CARBON	10K 5% 1/4W
R549	1-215-890-11	METAL OXIDE	470 5% 2W F	R642	1-216-343-00	METAL OXIDE	0.33 5% 1W F
R550	1-249-440-11	CARBON	82K 5% 1/4W	R643	1-217-192-21	WIREWOUND	0.22 10% 2W F
R551	1-249-749-00	CARBON	2.2M 5% 1/4W	R647	1-216-485-11	METAL OXIDE	5.6K 5% 3W F
R552	1-218-026-51	METAL OXIDE	1.2K 5% 1W	R648	1-216-485-11	METAL OXIDE	5.6K 5% 3W F
R553	1-218-025-51	METAL OXIDE	1K 5% 1W	R649	1-249-385-11	CARBON	2.2 5% 1/4W
R554	1-249-411-11	CARBON	330 5% 1/4W	R650	1-249-417-11	CARBON	1K 5% 1/4W
R555	1-249-749-00	CARBON	2.2M 5% 1/4W	R651	1-249-405-11	CARBON	100 5% 1/4W
R556	1-249-405-11	CARBON	100 5% 1/4W	R802	1-249-443-11	CARBON	0.47 5% 1/4W F
R557	1-249-425-11	CARBON	4.7K 5% 1/4W	R805	1-249-448-11	CARBON	1.2 5% 1/4W F
R558	1-247-895-00	CARBON	470K 5% 1/4W	R806	1-249-439-11	CARBON	68K 5% 1/4W
R559	1-249-427-11	CARBON	6.8K 5% 1/4W	R807	1-218-025-51	METAL OXIDE	1K 5% 1W
R560	1-249-411-11	CARBON	330 5% 1/4W	R809	1-202-821-11	SOL ID	1.8K 10% 1/2W
R591	1-249-427-11	CARBON	6.8K 5% 1/4W	R810	1-202-818-00	SOL ID	1K 10% 1/2W
R592	1-249-429-11	CARBON	10K 5% 1/4W	R811	1-215-882-00	METAL OXIDE	22 5% 2W F
R593	1-249-429-11	CARBON	10K 5% 1/4W	R812	1-244-917-00	CARBON	68K 5% 1/2W
R594	1-249-424-11	CARBON	3.9K 5% 1/4W	R815	1-215-884-11	METAL OXIDE	47 5% 2W F

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R006	1-249-417-11	CARBON	1K 5% 1/4W	R070	1-249-417-11	CARBON	1K 5% 1/4W
R007	1-249-405-11	CARBON	100 5% 1/4W	R071	1-249-417-11	CARBON	1K 5% 1/4W
R008	1-249-417-11	CARBON	1K 5% 1/4W	R072	1-249-417-11	CARBON	1K 5% 1/4W
R009	1-249-417-11	CARBON	1K 5% 1/4W	R073	1-249-417-11	CARBON	1K 5% 1/4W
R010	1-249-413-11	CARBON	470 5% 1/4W	R074	1-249-417-11	CARBON	1K 5% 1/4W
R011	1-249-417-11	CARBON	1K 5% 1/4W	R077	1-249-413-11	CARBON	470 5% 1/4W
R012	1-249-417-11	CARBON	1K 5% 1/4W	R078	1-249-423-11	CARBON	3.3K 5% 1/4W
R013	1-249-417-11	CARBON	1K 5% 1/4W	R079	1-249-435-11	CARBON	33K 5% 1/4W
R014	1-249-417-11	CARBON	1K 5% 1/4W	R080	1-249-429-11	CARBON	10K 5% 1/4W
R016	1-249-429-11	CARBON	10K 5% 1/4W	R081	1-249-441-11	CARBON	100K 5% 1/4W
R017	1-249-417-11	CARBON	1K 5% 1/4W	R083	1-249-429-11	CARBON	10K 5% 1/4W
R018	1-249-417-11	CARBON	1K 5% 1/4W	R084	1-249-413-11	CARBON	470 5% 1/4W
R019	1-249-433-11	CARBON	22K 5% 1/4W	R085	1-249-429-11	CARBON	10K 5% 1/4W
R020	1-249-433-11	CARBON	22K 5% 1/4W	R086	1-249-417-11	CARBON	1K 5% 1/4W
R021	1-249-433-11	CARBON	22K 5% 1/4W	R087	1-249-417-11	CARBON	1K 5% 1/4W
R022	1-249-433-11	CARBON	22K 5% 1/4W	R088	1-249-425-11	CARBON	4.7K 5% 1/4W
R023	1-249-429-11	CARBON	10K 5% 1/4W	R090	1-249-413-11	CARBON	470 5% 1/4W
R024	1-249-429-11	CARBON	10K 5% 1/4W	R091	1-249-409-11	CARBON	220 5% 1/4W
R025	1-249-417-11	CARBON	1K 5% 1/4W	R093	1-249-429-11	CARBON	10K 5% 1/4W
R030	1-249-425-11	CARBON	4.7K 5% 1/4W	R094	1-249-429-11	CARBON	10K 5% 1/4W
R031	1-249-429-11	CARBON	10K 5% 1/4W	R095	1-249-409-11	CARBON	220 5% 1/4W
R032	1-249-417-11	CARBON	1K 5% 1/4W	R096	1-249-409-11	CARBON	220 5% 1/4W
R033	1-249-413-11	CARBON	470 5% 1/4W	R097	1-249-429-11	CARBON	10K 5% 1/4W
R034	1-249-413-11	CARBON	470 5% 1/4W	R098	1-249-429-11	CARBON	10K 5% 1/4W
R035	1-249-431-11	CARBON	15K 5% 1/4W	R099	1-215-900-11	METAL OXIDE	22K 5% 2W F
R036	1-249-421-11	CARBON	2.2K 5% 1/4W	R251	1-249-417-11	CARBON	1K 5% 1/4W
R037	1-249-417-11	CARBON	1K 5% 1/4W	R252	1-249-413-11	CARBON	470 5% 1/4W
R038	1-249-417-11	CARBON	1K 5% 1/4W	R253	1-249-413-11	CARBON	470 5% 1/4W
R039	1-249-417-11	CARBON	1K 5% 1/4W	R255	1-249-385-11	CARBON	2.2 5% 1/4W F
R040	1-249-417-11	CARBON	1K 5% 1/4W	R256	1-249-385-11	CARBON	2.2 5% 1/4W F
R041	1-249-417-11	CARBON	1K 5% 1/4W	R260	1-249-393-11	CARBON	10 5% 1/4W
R042	1-249-417-11	CARBON	1K 5% 1/4W	R261	1-249-429-11	CARBON	10K 5% 1/4W
R043	1-249-417-11	CARBON	1K 5% 1/4W	R262	1-249-413-11	CARBON	470 5% 1/4W
R044	1-249-429-11	CARBON	10K 5% 1/4W	R263	1-249-421-11	CARBON	2.2K 5% 1/4W
R045	1-249-417-11	CARBON	1K 5% 1/4W	R264	1-249-421-11	CARBON	2.2K 5% 1/4W
R046	1-249-429-11	CARBON	10K 5% 1/4W	R265	1-249-425-11	CARBON	4.7K 5% 1/4W
R048	1-249-417-11	CARBON	1K 5% 1/4W	R266	1-249-425-11	CARBON	4.7K 5% 1/4W
R049	1-249-417-11	CARBON	1K 5% 1/4W	R401	1-249-434-11	CARBON	27K 5% 1/4W
R050	1-249-433-11	CARBON	22K 5% 1/4W	R402	1-249-435-11	CARBON	33K 5% 1/4W
R051	1-249-429-11	CARBON	10K 5% 1/4W	R410	1-249-413-11	CARBON	470 5% 1/4W
R052	1-249-439-11	CARBON	68K 5% 1/4W	R411	1-249-413-11	CARBON	470 5% 1/4W
R053	1-249-437-11	CARBON	47K 5% 1/4W	R412	1-249-413-11	CARBON	470 5% 1/4W
R054	1-249-417-11	CARBON	1K 5% 1/4W	R500	1-215-487-00	CARBON	560K 5% 1/4W
R055	1-249-433-11	CARBON	22K 5% 1/4W	R501	1-249-413-11	CARBON	470 5% 1/4W
R057	1-249-409-11	CARBON	220 5% 1/4W	R502	1-249-409-11	CARBON	220 5% 1/4W
R058	1-249-409-11	CARBON	220 5% 1/4W	R503	1-249-410-11	CARBON	270 5% 1/4W
R061	1-249-417-11	CARBON	1K 5% 1/4W	R504	1-215-427-00	METAL	1.8K 1% 1/6W
R062	1-249-411-11	CARBON	330 5% 1/4W	R505	1-249-431-11	CARBON	15K 5% 1/4W
R063	1-249-431-11	CARBON	15K 5% 1/4W	R506	1-249-428-11	CARBON	8.2K 5% 1/4W
R064	1-249-429-11	CARBON	10K 5% 1/4W	R507	1-247-891-00	CARBON	330K 5% 1/4W
R067	1-249-413-11	CARBON	470 5% 1/4W	R508	1-247-849-00	CARBON	5.6K 5% 1/4W
R068	1-249-421-11	CARBON	2.2K 5% 1/4W	R509	1-249-424-11	CARBON	3.9K 5% 1/4W
R069	1-249-423-11	CARBON	3.3K 5% 1/4W	R510	1-247-849-00	CARBON	5.6K 5% 1/4W

KV-25XSD/25XSTD
RM-673

V

H5

J1

Ref.No.	Part No.	Description
Q09	8-729-117-54	TRANSISTOR 2SA1175
Q10	8-729-117-54	TRANSISTOR 2SA1175
Q11	8-729-117-54	TRANSISTOR 2SA1175
<u>RESISTOR</u>		
R01	1-218-021-51	METAL OXIDE 470 5% 1W
R02	1-249-425-11	CARBON 4.7K 5% 1/4W
R04	1-218-021-51	METAL OXIDE 470 5% 1W
R05	1-215-128-00	METAL 100 5% 1/4W
R06	1-249-417-11	CARBON 1K 5% 1/4W
R07	1-249-405-11	CARBON 100 5% 1/4W
R08	1-249-411-11	CARBON 330 5% 1/4W
R09	1-249-438-11	CARBON 56K 5% 1/4W
R13	1-249-405-11	CARBON 100 5% 1/4W
R14	1-249-405-11	CARBON 100 5% 1/4W
R15	1-215-493-00	CARBON 1M 5% 1/4W
R16	1-249-420-11	CARBON 1.8K 5% 1/4W
R17	1-249-417-11	CARBON 1K 5% 1/4W
R18	1-249-425-11	CARBON 4.7K 5% 1/4W
R19	1-249-411-11	CARBON 330 5% 1/4W
R20	1-215-146-00	METAL 560 5% 1/4W
R27	1-249-399-11	CARBON 33 5% 1/4W
R28	1-249-399-11	CARBON 33 5% 1/4W
R29	1-249-399-11	CARBON 33 5% 1/4W
R30	1-215-130-00	METAL 120 5% 1/4W
R31	1-215-130-00	METAL 120 5% 1/4W
R32	1-215-130-00	METAL 120 5% 1/4W
R33	1-247-805-00	CARBON 82 5% 1/4W
R34	1-249-417-11	CARBON 1K 5% 1/4W
R37	1-249-405-11	CARBON 100 5% 1/4W
R38	1-249-416-11	CARBON 820 5% 1/4W
R40	1-249-425-11	CARBON 4.7K 5% 1/4W
R41	1-249-413-11	CARBON 470 5% 1/4W
R43	1-249-425-11	CARBON 4.7K 5% 1/4W
R44	1-249-413-11	CARBON 470 5% 1/4W
R45	1-215-152-00	METAL 1K 5% 1/4W
R46	1-247-779-00	CARBON 6.8 5% 1/6W
<u>VARIABLE RESISTOR</u>		
RV01	1-230-624-51	RES, ADJ, CARBON 220
<u>CONNECTOR</u>		
V1	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
V2	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P
V3	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
V4	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)
V5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)
V6	*1-508-784-00	1P PLUG
<u>CRYSTAL</u>		
X01	1-567-162-00	OSCILLATOR, CRYSTAL
X02	1-567-495-11	OSCILLATOR, CRYSTAL

Remark	Ref.No.	Part No.	Description	Remark
	X03	1-567-686-11	OSCILLATOR, CERAMIC	

	*1-622-534-11	H5 BOARD		

<u>CONNECTOR</u>				
	CNH01	*1-564-896-11	PLUG, CONNECTOR 7P	
	CNH02	*1-564-898-11	PLUG, CONNECTOR 9P	
<u>DIODE</u>				
	D1401	8-719-311-23	DIODE SEL1122P-N	
		*2-261-216-00	HOLDER (S), LED; D1401	
	D1402	8-719-311-23	DIODE SEL1122P-N	
		*2-261-216-00	HOLDER (S), LED; D1402	
	D1403	8-719-311-23	DIODE SEL1122R-N	
		*2-261-216-00	HOLDER (S), LED; D1403	
	D1404	8-719-311-23	DIODE SEL1122P-N	
		*2-261-216-00	HOLDER (S), LED; D1404	
	D1405	8-719-812-41	DIODE TLR124	
		4-359-103-00	HOLDER, LED; D1405	
<u>IC</u>				
	IC1401	8-741-138-70	IC BX1387	
<u>RESISTOR</u>				
	R1491	1-249-414-11	CARBON 560 5% 1/4W	
<u>SWITCH</u>				
	S1401	1-571-085-21	SWITCH, TACTICLE	
	S1402	1-571-085-21	SWITCH, TACTICLE	
	S1403	1-571-085-21	SWITCH, TACTICLE	
	S1404	1-571-085-21	SWITCH, TACTICLE	
	S1405	1-571-085-21	SWITCH, TACTICLE	
	S1406	1-571-085-21	SWITCH, TACTICLE	
	S1408	1-571-085-21	SWITCH, TACTICLE	
	S1409	1-571-085-21	SWITCH, TACTICLE	
	S1410	1-571-085-21	SWITCH, TACTICLE	
	S1411	1-571-085-21	SWITCH, TACTICLE	
	S1412	1-571-085-21	SWITCH, TACTICLE	
	S1414	1-571-085-21	SWITCH, TACTICLE	

	*A-1371-335-A	J1 BOARD, COMPLETE		

<u>CAPACITOR</u>				
	C1407	1-124-477-11	ELECT 47MF 20% 16V	
	C1415	1-124-902-00	ELECT 0.47MF 20% 50V	
	C1416	1-124-902-00	ELECT 0.47MF 20% 50V	
	C1418	1-102-112-00	CERAMIC 330PF 10% 50V	
	C1419	1-102-112-00	CERAMIC 330PF 10% 50V	
	C1423	1-110-182-81	MYLAR 0.022MF 10% 250V	
	C1424	1-110-182-81	MYLAR 0.022MF 10% 250V	



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R816	1-218-023-51	METAL OXIDE 680 5% 1W		C18	1-102-953-00	CERAMIC 18PF 5% 50V	
R817	1-249-417-11	CARBON 1K 5% 1/4W		C19	1-110-171-81	MYLAR 0.047MF 10% 100V	
R820	1-249-403-11	CARBON 68 5% 1/4W		C20	1-102-978-00	CERAMIC 220PF 5% 50V	
R821	1-247-725-11	CARBON 10K 5% 1/4W	F	C21	1-110-173-81	MYLAR 0.068MF 10% 100V	
R822	1-217-778-11	FUSIBLE 1K 5% 1W	F	C24	1-126-101-11	ELECT 100MF 20% 16V	
R825	1-216-345-11	METAL OXIDE 0.47 5% 1W	F	C25	1-124-477-11	ELECT 47MF 20% 16V	
R826	1-249-441-11	CARBON 100K 5% 1/4W		C27	1-102-820-00	CERAMIC 330PF 5% 50V	
R827	1-249-429-11	CARBON 10K 5% 1/4W		C28	1-102-116-00	CERAMIC 680PF 10% 50V	
R828	1-249-423-11	CARBON 3.3K 5% 1/4W		C29	1-124-927-11	ELECT 4.7MF 20% 50V	
R829	1-249-416-11	CARBON 820 5% 1/4W		C51	1-110-175-81	MYLAR 0.1MF 10% 100V	
R830	1-249-429-11	CARBON 10K 5% 1/4W		C52	1-110-175-81	MYLAR 0.1MF 10% 100V	
R1001	1-249-421-11	CARBON 2.2K 5% 1/4W		C53	1-110-175-81	MYLAR 0.1MF 10% 100V	
R5501	1-249-429-11	CARBON 10K 5% 1/4W		C54	1-110-175-81	MYLAR 0.1MF 10% 100V	
R5502	1-249-417-11	CARBON 1K 5% 1/4W		C55	1-110-175-81	MYLAR 0.1MF 10% 100V	
R5503	1-249-389-11	CARBON 4.7 5% 1/4W		C56	1-110-175-81	MYLAR 0.1MF 10% 100V	
R5504	1-215-493-00	CARBON 1M 5% 1/4W		C57	1-102-074-00	CERAMIC 0.001MF 10% 50V	
VARIABLE RESISTOR				C58	1-102-074-00	CERAMIC 0.001MF 10% 50V	
RV501	1-228-991-00	RES, ADJ, CARBON 2.2K		C59	1-102-074-00	CERAMIC 0.001MF 10% 50V	
RV502	1-230-630-11	RES, ADJ, CARBON 10K		TRIMMER			
RV601	1-228-990-00	RES, ADJ, CARBON 1K		CT01	1-141-181-11	CAP, TRIMMER	
SPARK GAP				DIODE			
SG801	1-519-063-XX	DISCHARGING GAP		D01	8-719-109-89	DIODE RD5.6ES-B2	
TRANSFORMER				D02	8-719-110-36	DIODE RD13ES-B2	
T601	1-448-961-11	S.R.T		D03	8-719-911-19	DIODE 1SS119	
T602	1-424-011-11	TRANSFORMER, PULSE		D04	8-719-109-69	DIODE RD3.6ES-B2	
T801	1-437-090-00	HDT		D07	8-719-109-96	DIODE RD6.8ES-B1	
*****				D08	8-719-109-96	DIODE RD6.8ES-B1	
*A-1347-014-A V BOARD, COMPLETE (KV-25XSTD ONLY)				IC			
*****				IC01	8-759-942-54	IC MAB8461P-W083	
CAPACITOR				IC02	8-759-947-51	IC SAA5231-V4	
C01	1-126-101-11	ELECT 100MF 20% 16V		IC03	8-759-946-85	IC SAA5243E	
C02	1-124-120-11	ELECT 220MF 20% 16V		IC04	8-759-113-01	IC UPD4364CX-15L	
C03	1-124-119-00	ELECT 330MF 20% 16V		COIL			
C04	1-124-477-11	ELECT 47MF 20% 16V		L01	1-408-411-00	MICRO INDUCTOR 15UH	
C05	1-126-101-11	ELECT 100MF 20% 16V		L02	1-410-468-11	MICRO INDUCTOR 6.8UH	
C06	1-124-120-11	ELECT 220MF 20% 16V		L03	1-410-468-11	MICRO INDUCTOR 6.8UH	
C07	1-124-499-11	ELECT 1MF 20% 50V		L04	1-410-468-11	MICRO INDUCTOR 6.8UH	
C08	1-102-951-00	CERAMIC 15PF 5% 50V		L05	1-410-468-11	MICRO INDUCTOR 6.8UH	
C09	1-102-074-00	CERAMIC 0.001MF 10% 50V		L06	1-410-468-11	MICRO INDUCTOR 6.8UH	
C10	1-102-824-00	CERAMIC 470PF 5% 50V		TRANSISTOR			
C11	1-110-182-81	MYLAR 0.022MF 10% 250V		Q01	8-729-904-27	TRANSISTOR 2SD1761-E	
C12	1-102-980-00	CERAMIC 270PF 5% 50V		Q02	8-729-177-43	TRANSISTOR 2SD774	
C13	1-102-973-00	CERAMIC 100PF 5% 50V		Q03	8-729-900-80	TRANSISTOR DTC114ES	
C14	1-102-951-00	CERAMIC 15PF 5% 50V		Q04	8-729-178-54	TRANSISTOR 2SC2785	
C15	1-102-961-00	CERAMIC 27PF 5% 50V		Q05	8-729-177-43	TRANSISTOR 2SD774	
C16	1-110-190-81	MYLAR 0.01MF 10% 400V		Q06	8-729-178-54	TRANSISTOR 2SC2785	
C17	1-110-171-81	MYLAR 0.047MF 10% 100V		Q07	8-729-178-54	TRANSISTOR 2SC2785	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

J2 **KS**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>JACK</u>				<u>RESISTOR</u>			
J1401	1-507-806-00	JACK		R204	1-249-435-11	CARBON 33K 5% 1/4W	
<u>RESISTOR</u>				R205	1-249-435-11	CARBON 33K 5% 1/4W	
R1401	1-215-144-00	METAL 470 5% 1/4W		R206	1-249-423-11	CARBON 3.3K 5% 1/4W	
R1402	1-215-144-00	METAL 470 5% 1/4W		R207	1-249-423-11	CARBON 3.3K 5% 1/4W	
*****				R208	1-249-431-11	CARBON 15K 5% 1/4W	
*1-622-449-11	KS BOARD	*****		R209	1-249-433-11	CARBON 22K 5% 1/4W	
<u>CAPACITOR</u>				R210	1-249-431-11	CARBON 15K 5% 1/4W	
C202	1-124-902-00	ELECT 0.47MF 20% 50V		R211	1-249-441-11	CARBON 100K 5% 1/4W	
C204	1-124-902-00	ELECT 0.47MF 20% 50V		R212	1-249-433-11	CARBON 22K 5% 1/4W	
C213	1-124-908-11	ELECT 22MF 20% 50V		R213	1-249-431-11	CARBON 15K 5% 1/4W	
C214	1-110-188-81	MYLAR 0.0068MF 10% 400V		R214	1-249-417-11	CARBON 1K 5% 1/4W	
C217	1-110-188-81	MYLAR 0.0068MF 10% 400V		R215	1-249-433-11	CARBON 22K 5% 1/4W	
C218	1-110-182-81	MYLAR 0.022MF 10% 250V		R216	1-249-433-11	CARBON 22K 5% 1/4W	
C219	1-110-182-81	MYLAR 0.022MF 10% 250V		R217	1-249-431-11	CARBON 15K 5% 1/4W	
C220	1-108-620-91	MYLAR 0.0033MF 10% 100V		R218	1-249-417-11	CARBON 1K 5% 1/4W	
C221	1-108-620-91	MYLAR 0.0033MF 10% 100V		R219	1-249-429-11	CARBON 10K 5% 1/4W	
C222	1-110-182-81	MYLAR 0.022MF 10% 250V		R221	1-249-417-11	CARBON 1K 5% 1/4W	
C223	1-110-182-81	MYLAR 0.022MF 10% 250V		R222	1-249-417-11	CARBON 1K 5% 1/4W	
C224	1-110-190-81	MYLAR 0.01MF 10% 400V		R225	1-249-417-11	CARBON 1K 5% 1/4W	
C225	1-136-173-00	FILM 0.47MF 5% 50V		R226	1-249-417-11	CARBON 1K 5% 1/4W	
C226	1-136-173-00	FILM 0.47MF 5% 50V		R227	1-249-417-11	CARBON 1K 5% 1/4W	
C227	1-110-182-81	MYLAR 0.022MF 10% 250V		R228	1-249-417-11	CARBON 1K 5% 1/4W	
C228	1-110-184-81	MYLAR 0.033MF 10% 250V		*****			
C229	1-110-192-81	MYLAR 0.015MF 10% 400V		<u>MISCELLANEOUS</u>			
C230	1-110-192-81	MYLAR 0.015MF 10% 400V		*****			
C231	1-124-902-00	ELECT 0.47MF 20% 50V		A-1-426-325-11	COIL, DEMAGNETIZATION		
C232	1-123-875-11	ELECT 10MF 20% 50V		A-1-451-311-21	DEFLECTION YOKE (SY-178)		
C233	1-102-114-00	CERAMIC 470PF 10% 50V		1-452-032-00	MAGNET, DISK; 10MM Ø		
C234	1-102-114-00	CERAMIC 470PF 10% 50V		1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø		
C235	1-102-114-00	CERAMIC 470PF 10% 50V		1-503-642-11	SPEAKER		
C236	1-102-114-00	CERAMIC 470PF 10% 50V		A-1-559-346-11	CORD, POWER (WITH CONNECTOR)		
C237	1-124-902-00	ELECT 0.47MF 20% 50V		T802 A-1-439-416-11	TRANSFORMER ASSY, FLYBACK		
C238	1-102-970-00	CERAMIC 220PF 5% 50V		V901 A-8-733-224-05	PICTURE TUBE (A59JWC60X)		
C239	1-126-103-11	ELECT 470MF 20% 16V		*****			
<u>CONNECTOR</u>				<u>ACCESSORIES AND PACKING MATERIALS</u>			
CNK21	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P		*****			
<u>DIODE</u>				Part No.	Description	Remark	
D205	8-719-110-04	DIODE RD7.5ES-B3		A-1470-808-A	COMMANDER ASSY (RM-673)		
D206	8-719-110-04	DIODE RD7.5ES-B3		*4-366-617-01	BAG, PROTECTION		
<u>IC</u>				*4-385-906-01	CUSHION (UPPER) (ASSY)		
IC201	8-759-013-17	IC TDA6200		*4-385-907-01	INDIVIDUAL CARTON		
				*4-385-910-01	CUSHION (LOWER)		
				4-482-477-61	MANUAL, INSTRUCTION (EXCEPT G)		
				4-482-477-71	MANUAL, INSTRUCTION (WG ONLY)		

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Sony Corporation

TV Group

J1 **J2**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	
C1427	1-101-003-00	CERAMIC	0.0047MF	50V	R1434	1-249-393-11	CARBON	10 5% 1/4W F
C1428	1-101-003-00	CERAMIC	0.0047MF	50V	R1437	1-249-429-11	CARBON	10K 5% 1/4W
C1431	1-124-655-11	ELECT	0.47MF	20% 50V	R1440	1-249-416-11	CARBON	820 5% 1/4W
C1432	1-124-902-00	ELECT	0.47MF	20% 50V	R1441	1-249-416-11	CARBON	820 5% 1/4W
C1433	1-126-101-11	ELECT	100MF	20% 16V	R1442	1-249-437-11	CARBON	47K 5% 1/4W
C1501	1-123-875-11	ELECT	10MF	20% 50V	R1443	1-249-437-11	CARBON	47K 5% 1/4W
C1502	1-123-875-11	ELECT	10MF	20% 50V	R1449	1-249-405-11	CARBON	100 5% 1/4W
C1503	1-108-614-91	MYLAR	0.001MF	10% 100V	R1450	1-249-413-11	CARBON	470 5% 1/4W
C1504	1-124-910-11	ELECT	47MF	20% 50V	R1451	1-249-413-11	CARBON	470 5% 1/4W
C1505	1-110-171-81	MYLAR	0.047MF	10% 100V	R1501	1-249-433-11	CARBON	22K 5% 1/4W
C1507	1-108-620-91	MYLAR	0.0033MF	10% 100V	R1502	1-249-434-11	CARBON	27K 5% 1/4W
C1508	1-123-875-11	ELECT	10MF	20% 50V	R1503	1-247-895-00	CARBON	470K 5% 1/4W
C1509	1-124-499-11	ELECT	1MF	20% 50V	R1504	1-249-435-11	CARBON	33K 5% 1/4W
C1511	1-123-875-11	ELECT	10MF	20% 50V	R1505	1-249-433-11	CARBON	22K 5% 1/4W
C1512	1-110-188-81	MYLAR	0.0068MF	10% 400V	R1506	1-247-895-00	CARBON	470K 5% 1/4W
C1513	1-102-963-00	CERAMIC	33PF	5% 50V	R1509	1-247-887-00	CARBON	220K 5% 1/4W
C1514	1-110-183-81	FILM	0.027MF	10% 250V	R1510	1-247-849-00	CARBON	5.6K 5% 1/4W
C1515	1-102-117-00	CERAMIC	820PF	10% 50V	R1511	1-249-417-11	CARBON	1K 5% 1/4W
CONNECTOR				R1512	1-249-429-11	CARBON	10K 5% 1/4W	
CN1401	1-537-088-11	TERMINAL BOARD, INPUT/OUTPUT		R1513	1-249-438-11	CARBON	56K 5% 1/4W	
CN1402	1-561-534-91	SOCKET 21P		R1514	1-249-417-11	CARBON	1K 5% 1/4W	
CNJ41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P		R1515	1-215-489-00	CARBON	680K 5% 1/4W	
CNJ43	*1-564-893-11	PLUG, CONNECTOR 4P		R1516	1-249-432-11	CARBON	18K 5% 1/4W	
CNJ51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P		R1517	1-249-411-11	CARBON	330 5% 1/4W	
CNJ67	*1-560-721-21	PLUG,CONNECTOR 2P		R1518	1-249-429-11	CARBON	10K 5% 1/4W	
CNJ142	*1-564-893-11	PLUG, CONNECTOR 4P		R1519	1-247-883-00	CARBON	150K 5% 1/4W	
DIODE				R1520	1-247-895-00	CARBON	470K 5% 1/4W	
D1407	8-719-110-18	DIODE RD10ES-B3		R1556	1-247-849-00	CARBON	5.6K 5% 1/4W	
D1409	8-719-110-14	DIODE RD9.1ES-B3		VARIABLE RESISTOR				
D1410	8-719-110-14	DIODE RD9.1ES-B3		RV1501	1-228-999-00	RES, ADJ, CARBON	470K	
D1419	8-719-110-04	DIODE RD7.5ES-B3		RV1502	1-228-994-00	RES, ADJ, CARBON	10K	
D1501	8-719-911-19	DIODE 1SS119		RV1503	1-228-995-00	RES, ADJ, CARBON	22K	
D1502	8-719-911-19	DIODE 1SS119		RV1504	1-228-990-00	RES, ADJ, CARBON	1K	
D1503	8-719-911-19	DIODE 1SS119		RV1505	1-228-999-00	RES, ADJ, CARBON	470K	
D1504	8-719-911-19	DIODE 1SS119		RV1506	1-228-995-00	RES, ADJ, CARBON	22K	
D1505	8-719-000-12	DIODE MC931		RV1507	1-230-504-11	RES, ADJ, CARBON	220	
IC				RV1508	1-228-994-00	RES, ADJ, CARBON	10K	
IC1402	8-759-946-32	IC TEA2014A		RV1509	1-228-999-00	RES, ADJ, CARBON	470K	
IC1501	8-759-942-16	IC TEA2031A		*****				
COIL				*1-622-448-11	J2 BOARD			
L1401	1-459-407-00	COIL, FERRITE CHOKE			*****			
L1402	1-459-407-00	COIL, FERRITE CHOKE		CAPACITOR				
RESISTOR				C1401	1-126-105-11	ELECT	1000MF 20% 35V	
R1417	1-249-404-00	CARBON	82 5% 1/4W	C1402	1-126-105-11	ELECT	1000MF 20% 35V	
R1423	1-247-849-00	CARBON	5.6K 5% 1/4W	CONNECTOR				
R1424	1-247-849-00	CARBON	5.6K 5% 1/4W	CNJ23	*1-564-893-11	PLUG, CONNECTOR 4P		
R1428	1-247-895-00	CARBON	470K 5% 1/4W	CNJ242	*1-564-893-11	PLUG, CONNECTOR 4P		
R1429	1-247-895-00	CARBON	470K 5% 1/4W					
R1430	1-249-404-00	CARBON	82 5% 1/4W					
R1433	1-249-409-11	CARBON	220 5% 1/4W					